

## Section 21

### Transportation, Air and Land

This section presents statistics concerning the systems of mass transport of persons and goods by land and air. The modes of transport included are railway, trucking, bus and streetcar, and civil aviation. The principal sources of these data are *Transport Statistics in the United States*, Part 1 (formerly *Statistics of Railways in the United States*), published annually by the Interstate Commerce Commission; the *Transit Fact Book* (relating to street railways) published annually by the American Transit Association, and the *Statistical Handbook of Civil Aviation* published by the Civil Aeronautics Administration. Various periodic reports such as the *Monthly Report on Transportation Statistics* and the quarterly (also annual) *Statistics of Class I Motor Carriers* (beginning in 1954, issued as Part 7 of *Transport Statistics*) are issued by the Interstate Commerce Commission. In addition, the Association of American Railroads supplements official railway statistics with various releases, and the annual review and statistical number of *Fleet Owner* (*Bus Transportation* prior to January 1957), a McGraw-Hill publication, summarizes operations of common carrier and school buses. The Interstate Commerce Commission also issues annually *Selected Financial and Operating Statistics from Annual Reports of Electric Railways* (beginning in 1954, issued as Part 4 of *Transport Statistics*), an abstract of the annual reports of electric railway companies, chiefly interurban, which report to it. The Bureau of the Census published a quinquennial report on electric railways from 1902 to 1937. The report included data on affiliated trolley-bus and motor-bus operations in the latter period of its history.

**Railways.**—The total railroad mileage of the United States comprises: (1) Regular interstate carriers (and their nonoperating subsidiaries) reporting to the Interstate Commerce Commission; (2) switching and terminal railroads, also reporting to the Commission; and (3) private railroads (identified by the Commission as "circular" because they report on brief circulars, or as "unofficial" when their reports are received too late for tabulation). Except for certain mileage data, the circular and unofficial companies are not included in any of the statistics. The switching and terminal roads were formerly included with operating railways, but are now separated, and data for them do not appear in most of the tables.

Nonoperating subsidiaries comprise proprietary companies, which are covered by the reports of operating carriers, and lessor companies which have no traffic and whose reports appear only in statistics of capitalization, dividends, and investment.

Operating railways are divided into three classes, determined by their annual operating revenues: Class I, having more than \$1,000,000 of such revenue; class II, from \$100,000 to \$1,000,000; and class III, less than \$100,000. During recent years more detailed reports have been required from class I carriers than from smaller companies. The basis of the figures in each table is indicated by notes. Omission of class II and class III railroads affects very little the comparability of statistics with those of earlier years as regards most items, since the bulk of the business is done by class I.

The Interstate Commerce Commission divides railroads geographically into three districts and eight subsidiary regions. Each railroad is treated as a unit and placed wholly in some one district or region. Broadly speaking, the eastern district includes territory east of Chicago and north of the Ohio and Potomac Rivers; southern district, territory east of the Mississippi River and south of the Ohio and Potomac Rivers; and western district, the remainder of the country.

Note.—This section presents data for the most recent year or period available on April 20, 1957, when the material was organized and sent to the printer. In a few instances, more recent data were added later.

**Motor carriers.**—Statistics of class I for-hire carriers (those with \$100,000 or more of gross annual operating revenues) are compiled by the Interstate Commerce Commission from annual and quarterly reports submitted to it by these carriers. Beginning with reports for the year 1950, the class I minimum became \$200,000. This series begins with 1939 data.

**Civil aeronautics.**—Federal promotion and regulation of civil aviation are carried out by two bodies—the Civil Aeronautics Administration and the Civil Aeronautics Board. The Civil Aeronautics Board prescribes Civil Air Regulations which deal with the competency of airmen, airworthiness of aircraft, and air traffic control. The Board also issues certificates permitting persons to engage in air transportation as a business, fixes air-mail rates which they may charge, and may establish maximum and minimum rates for transportation of passengers and goods. It also has the duty of investigating accidents in air transportation. The Board also hears prosecutions brought by the Administrator of Civil Aeronautics in connection with the revocation and suspension of airmen and air carrier certificates as a result of violations of the Civil Air Regulations.

The Civil Aeronautics Administration is an operating agency of the Department of Commerce. Its principal activities are the operation of air route traffic control centers, airport traffic control towers, and communication stations; and the design, construction, maintenance, and inspection of navigation, traffic control, and communications equipment for the airways. It also promotes safety through the certification of planes, pilots, mechanics, and air agencies, such as flight and ground schools; checks the design, structure, and performance of new planes to insure the safety of the flying public; and investigates accidents to fixed-wing aircraft of 12,500 pounds or under (with the exception of those used in Alaskan air carrier operations). The CAA also acts in an advisory capacity in the design and construction of airports; administers the Federal Aid Airport Program; provides technical civil aviation assistance in foreign countries and arranges for the technical aeronautical training of foreign nationals in the United States; and conducts technical research and development programs.

**Historical statistics.**—Tabular headnotes (as "See also *Historical Statistics*, series K 28-33") provide cross-references, where applicable, to *Historical Statistics of the United States, 1789-1945*. See preface.

No. 699.—VOLUME OF DOMESTIC INTERCITY FREIGHT TRAFFIC, BY TYPE OF TRANSPORTATION: 1939 TO 1955

[In millions of ton-miles. A ton-mile is the movement of a ton (2,000 lbs.) of freight for the distance of one mile. Comprises public and private traffic and revenue and nonrevenue traffic]

YEAR	Total traffic, volume	RAILWAYS <sup>1</sup>		MOTOR VEHICLES		INLAND WATERWAYS <sup>2</sup>		OIL PIPELINES		AIRWAYS <sup>3</sup>	
		Volume	Percent of total	Volume	Percent of total	Volume	Percent of total	Volume	Percent of total	Volume	Percent of total
1939.....	574, 834	370, 150	64. 39	52, 821	9. 19	96, 249	16. 74	55, 602	9. 67	12	0. 002
1940.....	651, 168	411, 813	63. 24	62, 007	9. 52	113, 057	18. 13	59, 277	9. 10	14	0. 002
1941.....	810, 988	520, 931	64. 23	81, 156	10. 01	140, 454	17. 32	68, 428	8. 44	19	0. 002
1942.....	972, 843	689, 304	70. 86	59, 363	6. 15	148, 565	15. 27	75, 087	7. 72	34	0. 003
1943.....	1, 076, 349	780, 251	72. 49	56, 526	5. 25	141, 652	13. 16	97, 837	9. 09	53	0. 005
1944.....	1, 136, 335	795, 198	69. 98	58, 047	5. 11	150, 155	13. 21	132, 864	11. 69	71	0. 006
1945.....	1, 072, 156	730, 184	68. 06	66, 614	6. 21	142, 737	13. 31	126, 530	11. 80	91	0. 008
1946.....	944, 168	642, 699	68. 07	81, 676	8. 65	123, 073	13. 13	95, 727	10. 14	93	0. 010
1947.....	1, 060, 371	706, 675	66. 64	101, 663	9. 59	146, 714	13. 84	105, 161	9. 92	158	0. 015
1948.....	1, 085, 795	688, 662	63. 42	115, 467	10. 63	161, 846	14. 91	119, 597	11. 02	223	0. 021
1949.....	945, 838	567, 342	59. 92	124, 949	13. 20	139, 396	14. 72	114, 916	12. 14	235	0. 025
1950.....	1, 091, 486	628, 463	57. 55	170, 184	15. 59	163, 344	14. 97	129, 175	11. 84	318	0. 029
1951.....	1, 203, 554	686, 377	57. 03	182, 467	15. 16	182, 216	15. 14	152, 115	12. 64	379	0. 031
1952.....	1, 161, 666	651, 276	56. 06	184, 106	15. 85	168, 367	14. 49	167, 502	13. 56	415	0. 036
1953.....	1, 232, 477	642, 578	52. 14	217, 163	17. 62	202, 430	16. 43	169, 884	13. 78	413	0. 034
1954.....	1, 124, 462	556, 557	49. 50	214, 626	19. 09	173, 679	15. 45	179, 203	15. 94	397	0. 03
1955 (prel.).....	1, 277, 806	631, 385	49. 41	226, 188	17. 70	216, 508	16. 94	203, 244	15. 91	481	0. 04

<sup>1</sup> Includes electric railways, express, and mail.

<sup>2</sup> Includes Great Lakes.

<sup>3</sup> Domestic service only. Includes express, mail, and excess baggage.

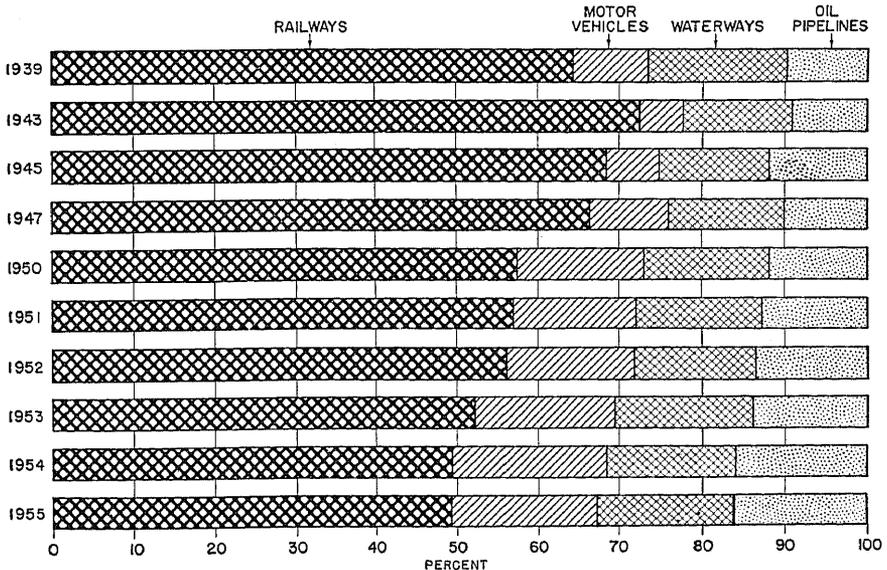
<sup>4</sup> Part of this increase resulted from coverage of waterways previously existing but not covered.

<sup>5</sup> Motor-vehicle ton-miles revised upward on basis of new data; not applied to previous years.

Source: Interstate Commerce Commission; annual report, and Statement No. 544, *Intercity Ton-Miles, 1939-1952*, March 1954.

FIG. XXXII.—PERCENT DISTRIBUTION OF DOMESTIC INTERCITY FREIGHT TRAFFIC, BY TYPE OF TRANSPORTATION: 1939 TO 1955

[Airways not shown separately—less than one-tenth of 1 percent. See table 699]



Source: Chart prepared by Department of Commerce, Bureau of the Census. Data are from Interstate Commerce Commission.

**No. 700.—VOLUME OF DOMESTIC INTERCITY PASSENGER TRAFFIC, BY TYPE OF TRANSPORTATION: 1953 TO 1955**

[In millions of passenger-miles. A passenger-mile is the movement of one passenger for the distance of one mile. Comprises public and private traffic and revenue and nonrevenue traffic]

TYPE	1953		1954		1955 (prel.)	
	Volume	Percent	Volume	Percent	Volume	Percent
<b>Total</b> .....	<b>608,769</b>	<b>100.0</b>	<b>625,113</b>	<b>100.0</b>	<b>664,108</b>	<b>100.0</b>
Railways, steam and electric.....	32,261	5.3	20,467	4.7	28,695	4.3
Motor vehicle.....	557,591	91.6	574,377	91.9	610,934	92.0
Commercial motor carriers.....	28,397	4.7	25,614	4.1	25,117	3.8
Private automobiles.....	529,194	86.9	548,763	87.8	585,817	88.2
Inland waterways (including Great Lakes).....	1,487	0.2	1,701	0.3	1,738	0.3
Airways (domestic revenue service and private pleasure and business flying).....	17,430	2.9	19,568	3.1	22,741	3.4

Source: Interstate Commerce Commission; annual report.

**No. 701.—RAILWAYS—MILEAGE OWNED AND MILEAGE OPERATED: 1925 TO 1955**

[As of December 31. See also *Historical Statistics*, series K 28-33]

ITEM	1925	1930	1935	1940	1945	1950	1954	1955
Number of operating companies <sup>1</sup> .....	947	775	661	574	517	471	443	441
Road owned, first track (miles) <sup>2</sup> .....	249,398	249,052	241,822	233,670	226,606	223,779	221,098	220,070
Miles operated: <sup>3</sup>								
All railways, road, first track.....	261,871	262,215	254,347	246,739	240,156	236,999	234,497	234,097
Total, reporting railways <sup>4</sup> .....	417,954	429,883	419,228	405,975	398,054	396,380	392,580	390,965
Road, first track.....	258,631	260,440	252,930	245,740	239,438	236,857	234,342	233,955
Other main tracks.....	40,962	42,742	41,916	41,373	41,106	40,466	39,520	38,825
Yard track and sidings.....	118,361	126,701	124,382	118,862	117,510	119,067	118,718	118,185
Class I railways, road, first track.....	236,848	242,391	237,491	232,524	227,877	226,101	224,838	224,475

CLASS OF COMPANY	1953			1954			1955		
	Com-panies	Miles of road		Com-panies	Miles of road		Com-panies	Miles of road	
		Owned <sup>2</sup>	Oper-ated <sup>3</sup>		Owned <sup>2</sup>	Oper-ated <sup>3</sup>		Owned <sup>2</sup>	Oper-ated <sup>3</sup>
<b>Total</b> .....	<b>982</b>	<b>221,758</b>	<b>235,097</b>	<b>952</b>	<b>221,098</b>	<b>234,497</b>	<b>935</b>	<b>220,670</b>	<b>234,097</b>
Class I line-haul operating.....	126	191,218	225,194	126	191,067	224,838	126	190,843	224,475
Lessors to Class I.....	162	17,614	—	159	17,491	—	155	17,333	—
Class II line-haul operating.....	159	6,696	7,555	155	6,509	7,353	155	6,518	7,336
Lessors to Class II.....	9	809	—	9	809	—	8	284	—
Class III line-haul operating.....	159	2,043	2,210	158	2,004	2,151	155	1,992	2,144
Lessors to Class III.....	9	70	—	9	70	—	8	54	—
Switching and terminal.....	<sup>5</sup> 250	( <sup>6</sup> ) 70	( <sup>6</sup> )	<sup>5</sup> 242	( <sup>6</sup> ) 70	( <sup>6</sup> )	<sup>5</sup> 237	( <sup>6</sup> )	( <sup>6</sup> )
Proprietary <sup>7</sup> .....	84	3,452	—	70	3,288	—	67	3,283	—
Circular.....	18	282	95	18	277	105	18	278	105
Unofficial.....	6	74	43	6	83	50	6	85	37

<sup>1</sup> Classes I, II, III, circular, and unofficial.

<sup>2</sup> Covers continental U. S. only, excluding all duplication.

<sup>3</sup> Includes some duplication under trackage rights and some mileage in Canada operated by U. S. companies.

<sup>4</sup> Excludes circular and unofficial, figures for which cover road, first track only.

<sup>5</sup> Comprises 214 operating, 13 lessor, 12 proprietary, 8 circular, and 3 unofficial in 1953; 212 operating, 13 lessor, 7 proprietary, 8 circular, and 2 unofficial in 1954; and 207 operating, 13 lessor, 7 proprietary, 8 circular, and 2 unofficial in 1955.

<sup>6</sup> Figures omitted as "miles of road" of switching and terminal companies is not comparable with that of line-haul companies.

<sup>7</sup> Excludes proprietary companies in systems which file consolidated reports combining mileage, investment, and other items on a net system basis.

Source: Interstate Commerce Commission; annual reports, *Statistics of Railways in the United States*, and, beginning 1954, *Transport Statistics in the United States*, Part I.

## No. 702.—RAILWAYS—SUMMARY STATISTICS: 1890 TO 1955

[As of June 30 prior to 1916, December 31 thereafter. Includes intercorporate duplications. Unless otherwise noted, covers railways of classes I, II, and III only, except that prior to 1908 returns for switching and terminal companies were included where applicable. See also *Historical Statistics*, series K 1-83]

YEAR	MILEAGE			EQUIPMENT <sup>4</sup>				
	Number of operating rail-ways <sup>1</sup>	Road owned (first track) <sup>2</sup>	Track operated (all track) <sup>3</sup>	Locomotives		Cars in service		
				Total in service	Average tractive effort <sup>5</sup>	Passen-ger cars	Freight-carrying cars	Average capacity of freight cars <sup>6</sup>
Number	Miles	Miles	Number	Pounds	Number	Number	Tons	
1890	1,013	163,597	199,875	30,140	26,820	918,491	-----	-----
1895	1,104	180,687	233,275	35,699	33,112	1,196,119	-----	-----
1900	1,224	193,946	258,784	37,663	34,713	1,865,531	-----	-----
1905	1,380	218,101	306,797	48,357	23,666	40,713	1,731,409	30.8
1910	1,308	240,293	351,767	60,019	27,282	47,179	2,148,478	35.9
1915	1,260	233,789	391,141	68,502	31,501	55,810	2,341,567	39.7
1920	1,085	252,845	406,579	68,042	36,365	56,102	2,388,424	42.4
1925	947	240,368	417,054	68,098	40,666	56,814	2,414,083	44.8
1930	775	240,052	428,883	60,189	45,225	53,584	2,322,267	46.9
1935	661	241,822	419,228	49,541	48,367	42,426	1,867,581	49.0
1940	574	233,670	405,075	44,333	50,905	38,308	1,684,171	50.0
1945	517	226,696	398,054	46,253	53,217	38,033	1,787,073	51.1
1948	485	225,149	397,203	44,474	55,170	39,406	1,785,067	51.9
1949	481	224,511	397,232	43,272	56,333	38,006	1,778,811	52.4
1950	471	223,779	396,380	42,051	57,075	37,359	1,745,778	52.6
1951	462	223,427	395,831	42,473	58,476	36,326	1,777,878	52.9
1952	454	222,508	394,631	39,697	59,966	34,042	1,783,352	53.0
1953	448	221,758	393,736	37,251	61,339	34,106	1,801,874	53.5
1954	443	221,098	392,580	35,033	63,152	33,035	1,761,386	53.7
1955	441	220,670	390,965	33,533	65,005	32,118	1,723,747	53.7

YEAR	EMPLOYMENT AND WAGES		CAPITAL AND PROPERTY INVESTMENT (includes lessors)				
	Average number of em-ployees	Compensation of railroad employees	Road and equipment		Rail-way capital out-standing <sup>3</sup>	Net capital-ization	Stock paying dividends
			Investment book value <sup>6</sup>	Deprecia-tion reserve <sup>7</sup>			
1,000	\$1,000	\$1,000	\$1,000	Mil. dol.	Mil. dol.	\$1,000	
1890	749	-----	8,153,665	-----	8,984	7,577	1,598,132
1895	785	445,508	9,203,491	-----	10,347	8,900	1,488,618
1900	1,018	577,265	10,263,313	-----	11,491	9,548	2,668,970
1905	1,382	839,945	11,951,349	-----	13,805	11,167	4,119,087
1910	1,699	1,143,725	14,557,816	-----	18,417	14,876	5,412,878
1915	1,548	1,277,663	17,441,420	511,452	21,128	16,308	5,219,347
1920	2,076	3,754,281	19,849,320	1,081,342	21,891	16,994	5,075,040
1925	1,786	2,916,193	23,217,209	1,681,291	23,644	18,191	6,278,532
1930	1,517	2,588,598	25,051,000	2,360,767	24,331	19,066	7,702,021
1935	1,014	1,066,229	25,500,465	2,771,404	24,247	18,342	8,412,968
1940	1,046	1,990,651	25,646,014	3,095,237	23,371	17,630	8,741,132
1945	1,439	3,900,928	26,967,756	5,549,720	20,891	15,667	5,383,158
1948	1,345	4,820,747	28,664,759	6,279,802	20,302	15,467	6,446,317
1949	1,209	4,468,545	29,519,832	6,438,177	20,427	15,609	5,924,295
1950	1,237	4,644,890	30,174,312	6,607,251	20,399	15,618	6,768,658
1951	1,292	5,328,072	31,077,781	6,812,085	20,273	15,489	6,700,472
1952	1,242	5,382,489	31,822,114	6,926,771	20,072	15,487	6,734,590
1953	1,221	5,380,828	32,416,356	7,009,758	19,967	15,265	7,252,253
1954	1,078	4,906,584	32,708,945	7,152,098	19,777	15,336	6,618,539
1955	1,071	5,044,278	33,034,952	7,289,105	19,309	15,171	7,300,386

See footnotes at end of table.

No. 702.—RAILWAYS—SUMMARY STATISTICS: 1890 TO 1955—Continued

YEAR OR YEARLY AVERAGE	INCOME AND EXPENSES					INTEREST AND DIVIDENDS (includes lessors)	
	Operating revenue	Operating expenses	Railway operating income	Railway tax accruals	Net income (includes lessors)	Dividends declared	Interest accrued on funded debt
	\$1,000-	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000
1891-1895	1,127,531	759,588		34,915	93,876	94,093	243,013
1896-1900	1,264,048	832,377		41,070	151,550	104,295	249,648
1901-1905	1,864,682	1,220,737		53,106	321,776	199,752	285,755
1906-1910	2,528,171	1,705,542	740,807	80,981	478,097	330,685	363,470
1911-1915	3,007,262	2,123,282	760,502	123,345	450,480	401,944	486,178
1916-1920	4,870,468	3,971,453	672,380	227,680	562,892	350,780	480,653
1921-1925	6,003,699	4,684,135	988,751	328,822	562,314	400,389	558,375
1926-1930	6,139,269	4,502,029	1,240,408	386,372	807,103	543,007	582,701
1931-1935	3,473,819	2,622,222	685,346	265,137	20,932	225,072	380,677
1936-1940	3,071,163	2,968,447	719,380	353,335	132,951	198,307	524,413
1941-1945	8,122,360	5,507,771	1,349,035	1,265,554	746,475	268,997	512,508
1946-1950	8,909,102	6,989,656	1,008,253	911,192	598,275	310,937	374,957
1948	9,784,332	7,552,630	1,188,666	1,043,836	767,949	335,313	361,879
1949	8,680,791	6,968,296	867,406	845,089	496,103	306,995	365,393
1950	9,587,000	7,136,055	1,239,861	1,212,884	854,951	348,811	367,218
1951	10,511,612	8,122,521	1,165,447	1,223,644	757,934	373,574	367,249
1952	10,702,877	8,134,811	1,285,022	1,282,144	900,472	394,042	376,067
1953	10,787,891	8,218,223	1,364,302	1,205,366	939,887	445,145	378,218
1954	9,484,015	7,460,507	1,146,203	877,304	712,252	405,410	376,020
1955	10,220,600	7,724,496	1,404,185	1,100,920	958,849	476,748	373,372

YEAR OR YEARLY AVERAGE	PASSENGER SERVICE			FREIGHT SERVICE					
	Passenger revenue (rail line)	Passenger miles	Revenue per passenger	Freight revenue (rail line)	Revenue tons originated	Tons carried 1 mile	Revenue ton miles per mile of road	Revenue per ton-mile	Haul per ton
	\$1,000	Mil.	Cents	\$1,000	Mil. tons	Mil. tons	Ton-miles	Cents	Miles
1891-1895	281,415	13,383	2.10	753,930		85,693	606,809	0.886	
1896-1900	279,900	13,863	2.02	879,837	543	113,962	611,128	.772	
1901-1905	416,809	20,737	2.01	1,208,714	691	167,715	820,016	.774	242.67
1906-1910	566,815	28,683	1.98	1,744,525	930	228,936	1,006,849	.762	246.10
1911-1915	672,792	33,768	1.99	2,051,625	1,074	277,073	1,104,718	.740	257.65
1916-1920	1,021,536	42,548	2.40	3,419,260	1,326	390,815	1,510,297	.875	294.78
1921-1925	1,112,634	36,869	3.02	4,377,618	1,231	375,468	1,455,589	1.166	304.96
1926-1930	908,341	31,846	2.85	4,690,122	1,365	450,310	1,657,454	1.090	315.34
1931-1935	392,869	18,375	2.14	2,763,961	798	270,192	1,051,083	1.023	339.12
1936-1940	419,760	23,068	1.82	3,313,398	986	341,321	1,370,519	.971	346.13
1941-1945	1,342,958	71,713	1.87	6,221,235	1,482	654,687	2,711,448	.950	439.39
1946-1950	973,786	43,775	2.22	7,230,485	1,466	602,917	2,532,696	1.200	411.23
1948	965,030	41,224	2.34	8,090,194	1,580	641,104	2,695,708	1.262	405.64
1949	802,139	35,133	2.45	7,151,237	1,284	520,111	2,229,450	1.352	412.02
1950	814,741	31,790	2.56	7,938,764	1,421	591,550	2,496,927	1.341	416.32
1951	901,019	34,640	2.60	8,757,874	1,547	649,831	2,748,790	1.348	419.59
1952	906,838	34,633	2.65	8,915,130	1,447	617,941	2,622,463	1.443	423.93
1953	842,963	31,079	2.66	9,077,996	1,448	608,964	2,592,188	1.491	420.06
1954	767,937	28,510	2.62	7,914,809	1,270	552,197	2,356,646	1.433	431.65
1955	743,676	29,843	2.60	8,666,379	1,450	620,892	2,679,482	1.382	430.67

<sup>1</sup> Includes circular and unofficial companies. <sup>2</sup> Comprises lessors, proprietary, circular, and unofficial companies.  
<sup>3</sup> For railways reporting track by class. Excludes circular and unofficial, figures for which cover road, first track only.  
<sup>4</sup> Includes switching and terminal companies except as noted.  
<sup>5</sup> Since 1916 represents steam locomotives and freight cars of class I railways, excluding switching and terminal companies.  
<sup>6</sup> Increase in investment over a period of years cannot be obtained accurately by subtraction of 1 year's investment from that of another owing to reorganization, sale, or abandonment, reclassification, etc. Includes lessor companies since 1921, for 1925 and subsequent years, includes proprietary companies except those which are part of systems filing consolidated annual reports.  
<sup>7</sup> Includes depreciation on "Miscellaneous physical property" for years prior to 1920. Amortization of defense projects included subsequent to 1940.  
<sup>8</sup> Comprises actually outstanding, nominally issued, and nominally outstanding securities, and equipment obligations. <sup>9</sup> See footnote 4, table 809.  
<sup>10</sup> Average for 1908-1910. <sup>11</sup> Average for 1889 and 1900.

Source: Interstate Commerce Commission; annual reports, *Statistics of Railways in the United States*, and, beginning 1954, *Transport Statistics in the United States*, Part I.

No. 703.—RAILWAYS—MILES OF ROAD OWNED, BY STATES AND FOR TERRITORIES: 1870 TO 1955

[Data are for actual length of line in each State without duplication. As of June 30 prior to 1920, Dec. 31 thereafter; includes reporting circular and unofficial railways, but beginning with 1910 excludes switching and terminal roads. See also *Historical Statistics*, series K 1, 2, and 29, for annual U. S. totals]

DIVISION AND STATE OR TERRITORY	1870 <sup>1</sup>	1880 <sup>1</sup>	1890	1900	1910 <sup>2</sup>	1920	1930	1940	1950	1955
<b>Cont. U. S.</b> .....	52,922	93,267	163,597	193,346	240,439	252,845	249,052	233,670	223,779	220,670
<b>New England</b> .....	4,494	5,982	6,718	7,521	7,921	7,942	7,596	6,677	6,396	6,230
Maine.....	786	1,005	1,338	1,915	2,248	2,295	2,193	1,882	1,830	1,794
New Hampshire.....	736	1,015	1,145	1,239	1,246	1,252	1,165	1,002	936	871
Vermont.....	614	914	921	1,012	1,100	1,077	1,056	919	889	860
Massachusetts.....	1,480	1,915	2,094	2,119	2,115	2,106	2,022	1,793	1,726	1,693
Rhode Island.....	136	210	213	212	212	211	191	194	185	181
Connecticut.....	742	923	1,007	1,024	1,000	1,001	969	887	830	831
<b>Middle Atlantic</b> .....	9,709	13,832	18,161	20,709	21,980	22,293	21,752	20,175	19,180	18,567
New York.....	3,928	5,957	7,661	8,121	8,430	8,300	8,312	7,739	7,493	7,291
New Jersey.....	1,125	1,684	2,047	2,257	2,260	2,352	2,209	2,108	1,992	1,971
Pennsylvania.....	4,656	6,191	8,453	10,331	11,290	11,551	11,141	10,328	9,695	9,305
<b>South Atlantic</b> .....	7,849	9,789	18,270	23,362	29,795	32,380	31,644	29,475	27,924	27,594
Delaware.....	197	275	323	347	335	335	325	295	295	295
Dist. of Columbia.....	671	1,040	30	32	36	36	36	35	34	35
Maryland.....	1,486	1,893	3,100	3,779	4,535	4,703	4,516	4,261	4,073	4,128
Virginia.....	387	691	1,328	2,228	3,601	3,996	4,046	3,831	3,719	3,710
West Virginia.....	1,178	1,486	3,001	3,831	4,932	5,522	5,161	4,668	4,435	4,325
North Carolina.....	1,139	1,427	2,194	2,818	3,442	3,814	3,780	3,466	3,223	3,194
Georgia.....	1,845	2,459	4,532	5,652	7,056	7,326	6,671	6,334	6,043	5,945
Florida.....	446	518	2,471	3,290	4,482	5,212	5,666	5,218	4,793	4,691
<b>East North Central</b> .....	14,701	25,109	36,924	41,007	44,928	44,904	43,770	41,281	39,851	39,312
Ohio.....	3,538	5,792	7,912	8,807	9,134	9,002	8,804	8,501	8,418	8,377
Indiana.....	3,177	4,373	5,971	6,471	7,420	7,426	7,106	6,889	6,652	6,614
Illinois.....	4,823	7,861	10,214	11,003	11,878	12,188	12,500	11,949	11,643	11,384
Michigan.....	1,638	3,938	7,243	8,195	9,021	8,734	8,072	7,303	6,683	6,680
Wisconsin.....	1,525	3,155	5,584	6,531	7,475	7,554	7,288	6,639	6,335	6,257
<b>West North Central</b> .....	8,046	19,094	38,354	42,988	49,730	52,180	51,400	48,293	47,108	46,896
Minnesota.....	1,092	3,151	5,466	6,943	8,669	9,114	8,779	8,421	8,353	8,303
Iowa.....	2,683	5,400	8,356	9,185	9,755	9,808	9,698	8,950	8,585	8,542
Missouri.....	2,000	3,965	6,004	6,875	8,083	8,117	7,897	7,042	6,735	6,714
North Dakota.....	65	1,225	1,941	2,731	4,201	5,311	5,275	5,266	5,256	5,257
South Dakota.....	705	1,953	2,486	2,850	3,948	4,276	4,238	4,006	3,958	3,916
Nebraska.....	1,601	3,400	5,295	5,685	6,067	6,166	6,174	6,044	5,800	5,748
Kansas.....	1,501	3,400	8,806	8,719	9,007	9,388	9,339	8,564	8,441	8,416
<b>East South Central</b> .....	4,656	6,343	11,144	13,343	17,074	17,754	17,452	16,179	15,574	15,398
Kentucky.....	1,017	1,530	2,746	3,060	3,526	3,929	4,054	3,691	3,641	3,558
Tennessee.....	1,492	1,843	2,752	3,137	3,816	4,078	3,940	3,573	3,471	3,431
Alabama.....	1,157	1,843	3,314	4,226	5,226	5,378	5,249	4,966	4,723	4,603
Mississippi.....	990	1,127	2,332	2,920	4,506	4,369	4,209	3,919	3,739	3,741
<b>West South Central</b> .....	1,417	5,044	13,782	18,221	31,122	32,972	33,227	31,497	29,771	29,424
Louisiana.....	450	652	1,759	2,824	5,554	5,223	4,654	4,357	4,079	4,025
Texas.....	711	3,244	8,613	9,886	14,282	16,125	17,069	16,356	15,611	15,441
Oklahoma.....	256	289	1,214	2,151	5,980	6,572	6,678	6,302	5,977	5,957
Arkansas.....	256	859	2,196	3,360	5,806	5,052	4,826	4,482	4,104	4,001
<b>Mountain</b> .....	1,466	5,082	12,676	15,808	22,956	25,170	24,973	23,518	22,101	21,503
Montana.....	106	2,181	3,010	4,207	5,072	5,228	5,149	5,059	5,029	5,029
Wyoming.....	459	512	942	1,229	1,445	1,931	2,036	2,008	1,925	1,883
Colorado.....	157	1,570	4,176	4,587	5,533	5,519	4,972	4,552	4,273	3,866
New Mexico.....	758	1,324	1,753	1,753	3,032	2,972	2,973	2,812	2,490	2,475
Arizona.....	349	1,097	1,612	2,097	2,478	2,478	2,494	2,228	2,197	2,179
Utah.....	257	842	1,090	1,547	1,986	2,161	2,196	2,082	1,788	1,731
Nevada.....	593	739	925	909	2,277	2,100	2,109	1,941	1,650	1,640
Idaho.....	206	941	1,261	2,179	2,177	2,877	2,965	2,746	2,713	2,691
<b>Pacific</b> .....	1,084	2,992	7,567	10,389	14,932	17,248	17,238	16,575	15,874	15,746
Washington.....	289	1,783	2,914	2,914	4,875	5,587	5,542	5,243	5,124	4,983
Oregon.....	159	508	1,428	1,724	2,285	3,305	3,456	3,385	3,217	3,232
California.....	925	2,195	4,356	5,751	7,772	8,356	8,240	7,947	7,533	7,531
Alaska.....	---	---	---	22	390	246	790	536	567	536
Hawaii.....	---	---	---	---	175	243	232	192	25	25

<sup>1</sup> Represents mileage operated.

<sup>2</sup> Corrected total is 240,293; not distributed by States.

Source: Interstate Commerce Commission; annual reports, *Statistics of Railways in the United States*, and, beginning 1954, *Transport Statistics in the United States*, Part 1.

**No. 704.—RAILWAYS (ALL REPORTING COMPANIES)—EQUIPMENT IN SERVICE:  
1925 TO 1955**

[For years ending December 31. "All reporting companies" include switching and terminal but not circular and unofficial lines. Data for tractive effort and capacity of cars exclude switching roads, also smaller roads during recent years; they would not be materially different if all carriers were included. Excludes the large number of cars owned by private car lines. See also *Historical Statistics*, series K 34-38]

YEAR	LOCOMOTIVES								FREIGHT-CARRYING CARS <sup>1</sup>			Passenger-train cars
	Total number <sup>1</sup>	Steam			Electric locomotive units	Diesel electric locomotive units			Total number (1,000)	Capacity <sup>2</sup>		
		Number	Tractive effort <sup>2</sup>			Number	Tractive effort <sup>2</sup>			Aggregate (1,000 tons)	Average (tons)	
			Aggregate (1,000 lb.)	Average (lb.)			Aggregate (1,000 lb.)	Average (lb.)				
1925	68,098	67,713	2,586,868	40,666	379	1	(4)	(4)	2,414	105,570	44.8	56,814
1930	60,189	59,406	2,526,940	45,225	603	77	(4)	(4)	2,322	106,180	46.9	53,584
1935	49,541	48,477	2,206,201	48,367	884	130	(4)	(4)	1,867	88,677	48.3	42,426
1940	44,333	42,410	2,038,294	50,905	900	967	43,930	55,130	1,684	82,722	50.0	38,308
1945	46,253	41,018	2,067,639	53,217	885	4,301	213,193	55,868	1,787	89,872	51.1	38,633
1946	45,511	39,502	2,017,807	53,735	867	5,008	248,120	55,872	1,768	89,391	51.3	38,697
1947	44,344	36,942	1,913,563	54,506	864	6,495	326,255	56,524	1,700	89,225	51.5	39,057
1948	44,474	34,581	1,815,860	55,170	867	8,981	455,287	56,285	1,785	91,294	51.9	39,408
1949	43,272	30,344	1,631,633	56,333	856	12,025	617,506	56,714	1,779	91,961	52.4	38,006
1950	42,951	26,680	1,463,413	57,075	827	15,366	807,523	57,487	1,746	90,465	52.6	37,359
1951	42,473	22,590	1,271,671	58,476	817	19,014	1,018,119	58,202	1,778	92,671	52.9	36,326
1952	39,097	16,738	964,130	59,666	791	22,118	1,207,349	58,918	1,783	93,544	53.2	34,942
1953	37,251	12,274	723,007	61,339	713	24,209	1,356,529	59,363	1,802	95,075	53.5	34,106
1954	35,033	9,041	546,266	63,152	669	25,256	1,404,606	59,692	1,731	93,196	53.7	33,035
1955	33,533	6,266	388,357	65,005	639	26,563	1,577,482	63,644	1,724	91,229	53.7	32,118

<sup>1</sup> Includes locomotives other than classes shown. <sup>2</sup> Class I roads.

<sup>3</sup> Excludes caboose cars. <sup>4</sup> Not available.

**No. 705.—RAILWAYS—CARS IN SERVICE, BY CLASS: 1940 TO 1955**

["All operating companies" include switching and terminal companies but not circular and unofficial lines. Excludes cars owned by private car lines, roughly equaling one-tenth of those owned by railway companies]

CLASS	ALL OPERATING COMPANIES					CLASS I, 1955			
	1940	1945	1950	1954	1955	Total	Eastern district <sup>1</sup>	Southern district <sup>1</sup>	Western district <sup>1</sup>
Freight-train cars	1,706,387	1,812,271	1,769,983	1,783,902	1,745,702	1,719,951	660,235	424,843	634,873
Freight-carrying cars	1,684,171	1,787,073	1,745,778	1,761,366	1,723,747	1,698,814	652,139	420,532	626,143
Box	708,682	745,901	718,150	724,947	723,962	718,950	262,365	130,908	325,677
Flat	65,752	71,092	67,712	77,231	58,879	56,124	10,434	7,745	37,045
Stock	54,674	54,484	46,381	39,644	37,922	37,922	4,795	2,121	31,006
Gondola and hopper <sup>2</sup>	809,538	874,553	874,801	879,282	845,809	829,594	370,041	259,321	200,232
Tank	8,836	9,030	8,436	7,544	7,059	6,737	52	157	6,528
Refrigerator	21,772	21,001	19,083	19,266	19,852	19,849	1,787	564	17,498
Rack cars					25,655	25,559	869	17,664	7,026
Other	14,917	11,012	11,215	13,472	4,609	4,079	1,796	2,052	231
Caboose cars	22,216	25,198	24,205	22,516	21,955	21,137	8,096	4,311	8,730
Passenger-train cars	38,308	38,633	37,359	33,035	32,118	32,095	16,898	4,666	10,531
Coaches	17,470	17,668	16,488	14,210	13,543	13,539	8,222	1,697	3,720
Combination coach	3,207	2,748	2,331	1,711	1,438	1,425	690	219	516
Parlor and sleeping <sup>3</sup>	422	731	437	443	437	437	201	56	180
Dining	1,535	1,552	1,836	1,534	1,639	1,639	604	286	749
Club, lounge, and observation	370	278	430	434	427	427	51	49	327
Postal	1,829	1,701	1,770	1,562	866	866	266	192	408
Baggage, express, and other nonpassenger	13,087	13,671	13,817	12,890	13,388	13,388	6,762	2,108	4,518
Other passenger	105	26	20	77	96	90	50	3	37
Other passenger-train	283	258	230	174	284	284	52	156	76
Company service equipment	77,811	90,056	95,547	87,457	84,174	82,726	22,653	17,659	42,414

<sup>1</sup> Pochontas region included with Southern district.

<sup>2</sup> Open and closed tops.

<sup>3</sup> Excludes cars owned or leased by Pullman Co.

Source of tables 704 and 705: Interstate Commerce Commission; annual reports, *Statistics of Railways in the United States*, and, beginning 1954, *Transport Statistics in the United States*, Part 1.

No. 706.—RAILWAYS (CLASS I)—EQUIPMENT INSTALLED AND PERMANENTLY  
WITHDRAWN FROM SERVICE: 1938 TO 1955

[Comprises owned and leased equipment]

YEAR	LOCOMOTIVES		FREIGHT-TRAIN CARS		PASSENGER-TRAIN CARS	
	New units installed	Units permanently withdrawn <sup>1</sup>	New units installed	Units permanently withdrawn <sup>1</sup>	New units installed	Units permanently withdrawn <sup>1</sup>
1938.....	252	1, 129	15, 213	60, 827	275	1, 009
1939.....	298	1, 660	23, 236	74, 229	209	790
1940.....	421	1, 260	60, 455	54, 846	154	754
1941.....	632	718	76, 392	26, 693	297	587
1942.....	716	579	58, 595	15, 257	273	364
1943.....	891	263	28, 000	13, 516	8	255
1944.....	1, 245	519	38, 970	24, 589	104	223
1945.....	901	1, 110	37, 132	44, 247	111	375
1946.....	712	1, 424	38, 823	52, 713	481	521
1947.....	1, 398	2, 739	55, 543	62, 594	858	736
1948.....	2, 350	2, 377	95, 979	69, 363	951	803
1949.....	2, 884	4, 099	80, 815	85, 577	939	923
1950.....	3, 215	3, 495	40, 032	72, 669	1, 078	1, 188
1951.....	3, 514	4, 093	86, 627	54, 496	183	1, 109
1952.....	3, 062	5, 851	64, 347	59, 889	195	1, 480
1953.....	2, 141	4, 412	67, 229	46, 304	329	1, 255
1954.....	1, 126	3, 297	26, 243	71, 780	351	1, 367
1955.....	1, 097	( <sup>2</sup> )	29, 070	( <sup>2</sup> )	412	( <sup>2</sup> )

<sup>1</sup> Permanently withdrawn for sale or demolition.    <sup>2</sup> Not available.

Source: Interstate Commerce Commission; annual reports, *Statistics of Railways in the United States*, and, beginning 1954, *Transport Statistics in the United States*, Part 1.

No. 707.—RAILWAYS—STOCK OUTSTANDING, DIVIDENDS, AND INTEREST:  
1891 TO 1955

[For years ending June 30 prior to 1916; December 31 thereafter. Comprises both operating and nonoperating, roads. Excludes switching and terminal roads beginning with 1908. Dividend figures throughout cover all classes of roads, but interest figure for 1913 excludes unimportant class III roads. Amount of stock shown in first column is exclusive of stock held by or for issuing company, but includes that held by other railway companies. See also *Historical Statistics*, series K 67, 80, and 81]

YEAR OR YEARLY AVERAGE	STOCK			DIVIDENDS (includes lessors)			Interest accrued on funded debt (\$1,000)
	Actually outstanding (\$1,000)	Paying dividends (\$1,000)	Percent paying dividends	Amount declared (\$1,000)	Percent on stock paying dividends	Percent on all stock outstanding	
1891-1895.....	-----	1, 737, 048	-----	94, 093	5. 42	-----	243, 013
1896-1900.....	-----	1, 977, 832	-----	104, 295	5. 27	-----	249, 548
1901-1905.....	-----	3, 505, 694	-----	199, 752	5. 70	-----	285, 755
1906-1910.....	-----	4, 930, 368	-----	339, 685	6. 89	-----	363, 470
1911-1915.....	8, 581, 050	5, 595, 888	65. 36	401, 944	7. 13	4. 70	436, 178
1916-1920.....	8, 866, 429	5, 310, 622	59. 90	350, 789	6. 61	3. 96	480, 053
1921-1925.....	9, 131, 529	5, 669, 613	62. 09	400, 389	7. 06	4. 38	558, 375
1926-1930.....	9, 697, 138	7, 108, 596	73. 31	543, 007	7. 64	5. 60	582, 701
1931-1935.....	9, 092, 404	4, 113, 651	41. 17	225, 072	5. 47	2. 25	580, 677
1936-1940.....	9, 814, 851	3, 511, 140	35. 77	198, 307	5. 65	2. 02	632, 413
1941-1945.....	9, 460, 110	5, 118, 116	54. 10	268, 997	5. 26	2. 84	512, 508
1946-1950.....	9, 256, 362	5, 909, 027	63. 84	310, 937	5. 26	3. 36	374, 957
1951-1955.....	8, 939, 214	6, 921, 248	77. 25	418, 984	6. 05	4. 68	374, 352
1951.....	9, 211, 990	6, 700, 472	72. 74	373, 574	5. 58	4. 06	367, 244
1952.....	9, 196, 329	6, 734, 590	73. 23	394, 042	5. 85	4. 28	376, 907
1953.....	8, 891, 005	7, 252, 253	81. 57	445, 145	6. 14	5. 01	378, 218
1954.....	8, 846, 020	6, 618, 539	74. 82	405, 410	6. 13	4. 58	376, 020
1955.....	8, 650, 728	7, 300, 386	84. 39	476, 748	6. 53	5. 51	373, 372

Source: Interstate Commerce Commission; annual reports, *Statistics of Railways in the United States*, and, beginning 1954, *Transport Statistics in the United States*, Part 1.

**No. 708.—RAILWAYS (ALL REPORTING COMPANIES)—CAPITALIZATION AND CAPITAL EXPENDITURES: 1890 TO 1955**

[In millions of dollars, except as indicated. For years ending June 30 prior to 1920, December 31 thereafter. Excludes switching and terminal companies beginning with 1910; their total capitalization in 1955 was \$684,594,212. Comprises both operating and nonoperating railways. Gross figures include considerable amounts of securities held by companies issuing them as well as larger amounts held by other railway companies. See also *Historical Statistics*, series K 62-66 and 68-70]

YEAR	TOTAL CAPITALIZATION				HELD BY RAILROADS		NET CAPITALIZATION		CAPITAL EXPENDITURES FOR ADDITIONS AND BETTERMENTS <sup>1</sup>	
	Total	Common stock	Preferred stock	Funded debt	Stock	Funded debt	Total	Per mile of road	Equipment	Roadway and structures
1890.....	8,984	3,803	606	4,575	964	443	7,577			
1900.....	11,401	4,522	1,323	5,646	1,470	473	9,548			
1910.....	18,417	6,710	1,403	10,304	2,555	1,486	14,376	62,819		
1920.....	21,891	7,215	1,898	12,778	2,407	2,490	16,994	68,787		
1925.....	23,644	7,602	1,937	14,105	2,654	2,799	18,191	74,460	338	410
1930.....	24,331	8,009	2,074	14,248	2,897	2,368	19,066	77,343	328	544
1935.....	24,247	7,987	2,036	14,224	3,022	2,883	18,342	76,389	79	109
1940.....	23,371	8,005	2,064	13,302	3,048	2,693	17,630	75,839	272	157
1945.....	20,801	7,743	2,004	11,144	2,739	2,485	15,667	69,654	310	240
1946.....	20,545	7,733	1,980	10,832	2,699	2,337	15,500	68,982	310	231
1947.....	20,173	7,539	2,003	10,631	2,540	2,332	15,301	68,161	310	230
1948.....	20,302	7,543	2,016	10,743	2,644	2,191	15,467	68,030	921	345
1949.....	20,427	7,519	2,012	10,806	2,612	2,206	15,600	69,751	984	322
1950.....	20,399	7,492	2,002	10,905	2,514	2,267	15,618	69,984	779	286
1951.....	20,272	7,491	2,006	10,775	2,499	2,284	15,489	69,513	1,051	363
1952.....	20,072	7,514	1,987	10,571	2,460	2,125	15,487	69,843	935	406
1953.....	19,967	7,545	1,929	10,493	2,497	2,105	15,365	69,694	858	402
1954.....	19,777	7,847	1,582	10,348	2,414	2,027	15,336	69,476	499	322
1955.....	19,309	7,696	1,355	10,258	2,255	1,883	15,171	68,932	568	340

<sup>1</sup> Class I railways.

Source: Interstate Commerce Commission; annual reports, *Statistics of Railways in the United States*, and, beginning 1954, *Transport Statistics in the United States*, Part 1.

**No. 709.—RAILWAYS—INVESTMENT, INCOME, AND DIVIDENDS: 1910 TO 1955**

[For years ending December 31, except where noted. Excludes data for switching and terminal companies. Investment is as reported by carrier and should not be confused with tentative valuation fixed by Interstate Commerce Commission. See also *Historical Statistics*, series K 60, 61, and 77, for earlier data on investment and net operating income]

YEAR	Investment book value <sup>1</sup>	Investment per mile of road	Depreciation reserve <sup>2</sup>	Net railway operating income	Return on investment	Other income <sup>3</sup>	Interest, rents, and other deductions <sup>3</sup>	Dividends declared <sup>3</sup>
	\$1,000	Dollars	\$1,000	\$1,000	Percent	\$1,000	\$1,000	\$1,000
1910, June 30.....	414,557,816	64,382		805,097	5.53	222,915	511,417	351,202
1920.....	19,849,320	81,954	1,081,342	12,101	0.06	( <sup>4</sup> )	640,516	275,348
1925.....	23,217,209	94,917	1,681,291	1,136,728	4.89	272,102	706,272	349,080
1930.....	26,051,000	105,661	2,360,767	874,154	3.36	361,196	716,730	511,259
1935.....	25,500,465	106,339	2,771,404	505,415	1.98	186,228	686,688	131,448
1940.....	25,646,014	110,449	3,095,237	690,554	2.69	170,794	670,257	166,506
1945.....	28,967,756	119,664	5,549,720	858,864	3.18	206,993	589,073	249,581
1946.....	27,277,974	121,074	5,800,975	694,668	2.29	211,983	548,519	237,605
1947.....	27,680,103	123,215	6,037,033	790,534	2.86	230,980	536,442	240,733
1948.....	28,664,769	127,625	6,279,892	1,014,815	3.54	237,410	544,784	295,161
1949.....	29,519,832	131,784	6,438,177	693,957	2.35	256,934	508,408	257,192
1950.....	30,174,312	135,076	6,607,231	1,055,309	3.50	267,850	527,342	319,116
1951.....	31,077,781	139,332	6,182,085	956,699	3.08	276,258	529,037	337,339
1952.....	31,822,114	143,238	6,260,771	1,091,657	3.43	291,329	547,461	344,094
1953.....	32,416,356	146,414	7,009,768	1,122,512	3.46	312,003	520,882	419,207
1954.....	32,708,945	148,180	7,152,098	887,817	2.71	279,052	474,647	385,434
1955.....	33,034,952	149,960	7,289,105	1,144,347	3.46	273,295	476,709	457,557

<sup>1</sup> Includes proprietary companies. Increase in investment over a period of years cannot be obtained accurately by subtraction of 1 year's investment from that of another owing to reorganization, sale or abandonment, reclassification, etc.

<sup>2</sup> Amortization of defense projects included subsequent to 1940. <sup>3</sup> Excludes returns for lessor companies.

<sup>4</sup> Investment originally published is increased by \$170,000,000, estimated reserve for accrued depreciation, to make figures comparable with those of other years.

<sup>5</sup> Comparable figure not available.

<sup>6</sup> Excludes returns for class II and class III companies.

Source: Interstate Commerce Commission; annual reports, *Statistics of Railways in the United States*, and, beginning 1954, *Transport Statistics in the United States*, Part 1.

## No. 710.—RAILWAYS—REVENUES, EXPENSES, AND INCOME: 1936 TO 1955

[Excludes switching and terminal companies; operating revenues of switching and terminal companies: 1953, \$274,639,000; 1954, \$224,124,000; 1955, \$265,852,000; operating expenses: 1953, \$198,652,000; 1954, \$173,957,000; 1955, \$191,948,000. See also *Historical Statistics*, series K 71-79]

ITEM	ALL ROADS						
	1936-1940, average	1941-1945, average	1946-1950, average	1951-1955, average	1953	1954	1955
Average miles of line (first track) operated.....	249,100	241,723	238,023	235,047	234,012	234,315	233,960
Income account items (\$1,000):							
Operating revenues.....	4,071,163	8,122,360	8,909,102	10,343,199	10,787,891	9,484,015	10,229,600
Per mile of line.....dollars..	16,343	33,602	37,430	44,005	45,923	40,475	43,724
Operating expenses.....	2,998,447	5,507,771	6,989,656	7,932,111	8,218,223	7,460,507	7,724,496
Percent of revenue.....	73.65	67.81	78.46	76.69	76.18	78.66	75.51
Net revenue from operations.....	1,072,716	2,614,589	1,919,445	2,411,087	2,569,668	2,023,508	2,505,104
Per mile of line.....dollars..	4,306	10,816	8,064	10,258	10,939	8,636	10,707
Tax accruals.....	353,335	1,265,554	911,192	1,137,876	1,205,366	877,304	1,100,920
Net railway operating income.....	587,364	1,170,308	835,897	1,040,606	1,122,512	887,817	1,144,347

ITEM	CLASS I							
	Total		Eastern district <sup>1</sup>		Southern district <sup>1</sup>		Western district	
	1954	1955	1954	1955	1954	1955	1954	1955
Average miles of line (first track) operated.....	224,816	224,636	52,818	52,654	45,431	45,349	126,567	126,633
Income account items (\$1,000):								
Operating revenues.....	9,370,826	10,106,330	3,420,958	3,737,049	1,901,758	2,078,948	4,048,109	4,290,333
Per mile of line.....dollars..	41,682	44,990	64,769	70,974	41,860	45,843	31,984	33,880
Operating expenses.....	7,384,409	7,646,418	2,819,545	2,949,917	1,429,119	1,472,690	3,135,835	3,223,811
Percent of revenue.....	78.80	75.66	82.42	78.94	75.15	70.84	77.46	77.54
Net revenue from operations.....	1,986,326	2,459,911	601,413	787,131	472,639	606,258	912,275	1,066,523
Per mile of line.....dollars..	8,835	10,951	11,387	15,061	10,403	13,369	7,208	8,422
Tax accruals.....	861,282	1,080,413	239,203	302,555	218,315	287,285	403,793	490,573
Net railway operating income.....	874,018	1,127,997	245,155	358,295	250,479	320,262	378,384	440,440

<sup>1</sup> Pocahontas region included with Southern district.

Source: Interstate Commerce Commission; annual reports, *Statistics of Railways in the United States*, and, beginning 1954, *Transport Statistics in the United States*, Part 1.

## No. 711.—RAILWAYS—RECEIVERSHIPS AND TRUSTEESHIPS: 1884 TO 1955

[For calendar years, except as noted. Beginning 1935, includes roads under trusteeship]

YEAR	UNDER RECEIVERSHIP END OF YEAR <sup>1</sup>		PLACED UNDER RECEIVERSHIP			YEAR	UNDER RECEIVERSHIP END OF YEAR <sup>1</sup>		PLACED UNDER RECEIVERSHIP		
	Number	Mileage operated	Number	Mileage operated	Stocks and long-term debt		Number	Mileage operated	Number	Mileage operated	Stocks and long-term debt <sup>2</sup>
1884.....			37	11,038	\$1,000	1940.....	103	75,270	1	24	\$1,000
1885.....			44	8,836	714,755	1945.....	72	39,714	1	96	33
1890.....			26	2,963	385,460	1946.....	65	34,389			7,012
1895.....	169	37,856	31	4,089	105,007	1947.....	52	22,750	2	31	425
1900.....	52	4,178	16	1,165	369,075	1948.....	46	13,283	4	29	7,078
1905.....	26	796	10	3,593	78,234	1949.....	44	12,679	2	441	115,572
1910.....	39	5,287	7	735	176,321	1950.....	42	12,223			
1915.....	85	30,223	12	20,143	51,428	1951.....	42	12,212			
1920.....	61	16,290	10	541	1,070,809	1952.....	40	11,942	1	(3)	1,406
1925.....	53	18,687	6	11,368	21,620	1953.....	39	12,054	1	265	31,771
1930.....	30	9,486	4	4,752	480,422	1954.....	37	11,608	1	(3)	80
1935.....	87	68,345	13	27,124	277,324	1955.....	37	11,685			
					2,168,871						

<sup>1</sup> Data relate to June 30 through 1915.

<sup>2</sup> Beginning 1940, includes receivers and trustees certificates and nonnegotiable debt to affiliated companies.

<sup>3</sup> Owned mileage for recent years as follows: 1952, 43; 1953, 256; 1954, 4.

Source: Interstate Commerce Commission; annual reports, *Statistics of Railways in the United States*, and, beginning 1954, *Transport Statistics in the United States*, Part 1.

## NO. 712.—RAILWAY FREIGHT SERVICE—SUMMARY STATISTICS: 1936 TO 1955

[Excludes switching and terminal roads except as noted. Tons of 2,000 pounds. See also *Historical Statistics*, series K 43-52]

ITEM	ALL ROADS						
	1936-1940, average	1941-1945, average	1946-1950, average	1951-1955, average	1953	1954	1955
Freight revenue, rail line..... millions..	\$3,313	\$6,221	\$7,236	\$8,666	\$9,078	\$7,915	\$8,665
Per train-mile <sup>1</sup> ..... dol.	6.95	9.29	12.72	17.44	18.19	17.45	17.94
Per loaded car-mile <sup>1</sup> ..... cents.	23.6	27.9	35.7	43.8	45.3	43.0	42.4
Revenue tons—							
Originated..... millions..	986	1,482	1,466	1,435	1,448	1,279	1,456
Carried, total..... do.	1,770	2,925	2,782	2,727	2,751	2,424	2,751
Carried 1 mile..... do.	341,322	654,687	602,917	611,165	608,964	552,197	626,892
Revenue ton-miles per mile of road							
thousands..	1,371	2,711	2,533	2,600	2,592	2,357	2,670
Revenue per ton-mile <sup>2</sup> ..... cents..	.971	.950	1.200	1.405	1.491	1.433	1.382
Freight-train miles..... millions..	478	667	569	497	500	454	483
Freight-train car-miles:							
Loaded, revenue and non-revenue							
millions..	13,883	21,969	20,052	19,798	19,863	18,239	20,260
do.	8,371	11,938	10,427	10,890	11,114	10,689	11,129
Empty..... do.							
<sup>3</sup> 46.2							
Average miles per car per day <sup>1</sup> .....	713	977	1,059	1,231	1,219	1,217	1,297
Ton miles per loaded car-mile <sup>4</sup> .....	24.6	29.7	30.1	30.9	30.7	30.3	31.0
Haul per ton:							
U. S. as a system..... miles..	346.13	439.36	411.23	425.77	420.66	431.65	430.67
Individual railway..... do.	191.89	222.44	216.75	224.09	221.36	227.81	227.88
Revenue per ton:							
U. S. as a system..... dol.	3.36	4.20	4.94	6.04	6.27	6.19	5.95
Individual railway..... do.	1.86	2.13	2.60	3.18	3.30	3.27	3.15

ITEM	CLASS I							
	Total		Eastern district <sup>5</sup>		Southern district <sup>5</sup>		Western district	
	1954	1955	1954	1955	1954	1955	1954	1955
Freight revenue, rail line..... millions..	\$7,798	\$8,538	\$2,688	\$3,007	\$1,646	\$1,822	\$3,464	\$3,709
Per train-mile..... dol.	17.45	17.94	19.91	20.18	17.51	18.40	15.89	16.20
Per loaded car-mile..... cents.	43.0	42.4	49.7	49.4	44.3	43.6	38.4	37.6
Revenue tons—								
Originated..... millions..	1,224	1,396	412	478	352	400	460	518
Carried, total..... do.	2,298	2,607	941	1,085	580	657	777	865
Carried 1 mile..... do.	549,259	623,615	169,089	195,978	128,638	151,168	251,532	276,460
Revenue ton-miles per mile of road								
thousands..	2,441	2,774	3,197	3,717	2,826	3,328	1,987	2,183
Revenue per ton-mile <sup>2</sup> ..... cents.	1.420	1.370	1.592	1.540	1.280	1.210	1.377	1.342
Freight-train miles..... millions..	447	476	135	149	94	99	218	229
Freight-train car miles:								
Loaded, revenue and non-revenue..... millions..	18,152	20,131	5,408	6,084	3,713	4,178	9,031	9,869
Empty..... do.	10,631	11,067	3,262	3,361	2,349	2,538	5,020	5,168
Average miles per car per day <sup>3</sup> .....	41.2	45.6	31.2	34.9	40.2	46.2	52.1	56.3
Revenue ton-miles per train-mile	1,240	1,322	1,272	1,340	1,372	1,540	1,162	1,217
Ton-miles per loaded car-mile <sup>4</sup> .....	31.3	32.0	31.9	28.6	35.9	37.4	28.9	29.1
Haul per ton:								
U. S. as a system..... miles..	448.7	447.6	410.4	410.1	365.4	377.9	546.8	536.5
Individual railway..... miles..	239.0	237.6	179.7	181.1	221.9	225.0	323.6	317.5
Revenue per ton:								
U. S. as a system..... dol.	6.37	6.13	6.52	6.30	4.68	4.56	7.53	7.20
Individual railway..... do.	3.39	3.25	2.86	2.78	2.84	2.71	4.46	4.26

<sup>1</sup> Class I roads only.

<sup>2</sup> Based on freight revenue from rail-line operations.

<sup>3</sup> Includes switching and terminal companies.

<sup>4</sup> Based on revenue ton-miles; nonrevenue ton-miles not available for all roads.

<sup>5</sup> Pocahontas region included with Southern district.

<sup>6</sup> Based on revenue and nonrevenue ton-miles.

Source: Interstate Commerce Commission; annual reports, *Statistics of Railways in the United States*, and, beginning 1954, *Transport Statistics in the United States*, Part 1.

No. 713.—RAILWAYS—PASSENGERS CARRIED AND PASSENGER REVENUE:  
1936 TO 1955

[Passenger service revenue per train-mile comprises revenue from mail, express, etc., but average revenue per passenger-mile is computed only from revenue from passengers themselves. See also *Historical Statistics*, series K 39-42]

ITEM	ALL ROADS						
	1936-1940, average	1941-1945, average	1946-1950, average	1951-1955, average	1953	1954	1955
Passengers carried.....1,000.....	471,362	772,393	638,334	457,895	453,252	440,770	433,308
Passenger-miles.....millions.....	23,068	71,713	43,775	31,642	31,679	29,310	28,548
Average journey per passenger miles.....	48.94	92.85	68.58	69.10	69.13	66.50	65.88
Passenger train-miles.....1,000.....	403,715	453,217	403,855	330,550	333,919	317,672	299,235
Passenger train car-miles.....millions.....	2,992	4,167	3,791	3,278	3,325	3,144	3,009
Passenger revenue.....\$1,000.....	419,760	1,342,958	973,786	832,437	842,663	767,987	743,676
Passenger service train revenue per train-mile <sup>1</sup> .....dollars.....	1.49	3.58	3.29	3.87	3.91	3.80	3.89
Revenue per passenger-mile.....cents.....	1.82	1.87	2.22	2.63	2.66	2.62	2.60
Passenger-miles per train-mile.....	57	158	109	96	95	92	95

ITEM	CLASS I							
	Total		Eastern district <sup>2</sup>		Southern district <sup>2</sup>		Western district	
	1954	1955	1954	1955	1954	1955	1954	1955
Passengers carried.....1,000.....	439,356	431,999	315,968	308,333	44,658	43,965	78,730	70,700
Passenger-miles.....millions.....	29,286	28,526	13,995	13,570	4,253	4,130	11,038	10,826
Average journey per passenger miles.....	66.66	66.03	44.29	44.01	95.23	93.94	140.20	135.83
Passenger train-miles.....1,000.....	317,141	298,838	123,664	119,912	54,018	49,065	139,459	129,860
Passenger train car-miles.....millions.....	3,142	3,008	1,178	1,152	561	515	1,413	1,340
Passenger revenue.....\$1,000.....	767,287	742,933	407,874	396,698	112,773	108,835	246,640	237,399
Passenger service train revenue per train-mile.....dollars.....	3.89	3.89	4.68	4.65	3.52	3.70	3.14	3.27
Revenue per passenger-mile.....cents.....	2.62	2.60	2.91	2.92	2.65	2.64	2.23	2.19
Passenger-miles per train-mile.....	92	95	113	113	79	84	79	83

<sup>1</sup> Based on data for class I roads only. <sup>2</sup> Pochontas region included with Southern district.

Source: Interstate Commerce Commission; annual reports, *Statistics of Railways in the United States*, and, beginning 1954, *Transport Statistics in the United States*, Part I.

No. 714.—RAILWAYS (CLASS I)—NUMBER OF CARS OF REVENUE FREIGHT LOADED,  
BY PRINCIPAL COMMODITIES: 1925 TO 1956

[In thousands. Figures are 52-week totals]

YEAR	Total	Grain and grain products	Live- stock	Coal	Coke	Forest products	Ore	Miscel- laneous	Mdse., less than carload
1925.....	51,224	2,306	1,636	8,905	623	3,737	2,012	18,813	13,193
1930.....	45,878	2,265	1,285	7,927	488	2,369	1,662	17,681	12,201
1935.....	31,504	1,577	714	6,145	340	1,384	1,036	12,227	8,081
1939.....	33,911	1,940	694	6,083	414	1,584	1,615	13,751	7,831
1940.....	36,358	1,835	685	6,820	549	1,800	2,148	14,842	7,679
1941.....	42,352	2,028	651	7,606	679	2,190	2,683	18,476	8,040
1942.....	42,771	2,185	745	8,356	732	2,445	3,016	19,765	5,537
1943.....	42,440	2,648	838	8,507	752	2,229	2,816	19,571	5,080
1944.....	43,408	2,521	892	8,890	751	2,271	2,649	20,007	5,428
1945.....	41,918	2,734	894	8,296	695	2,039	2,474	19,258	5,529
1946.....	41,341	2,497	925	8,004	587	2,263	1,996	18,744	6,325
1947.....	44,502	2,726	770	9,088	732	2,415	2,651	20,049	6,071
1948.....	42,719	2,468	650	8,600	739	2,348	2,701	19,686	5,457
1949.....	35,911	2,583	551	6,218	588	1,952	2,210	17,220	4,689
1950.....	38,903	2,466	491	7,240	727	2,226	2,529	18,955	4,269
1951.....	40,499	2,588	497	7,503	838	2,363	3,004	19,840	3,866
1952.....	37,985	2,565	492	6,717	673	2,270	2,653	18,924	3,691
1953.....	38,216	2,453	451	6,371	688	2,254	3,143	19,360	3,496
1954.....	33,915	2,555	447	5,670	422	2,085	2,115	17,436	3,185
1955.....	37,636	2,633	441	6,508	616	2,275	2,846	19,087	3,230
1956.....	37,842	2,705	442	7,005	616	2,317	2,748	18,953	3,056

Source: Association of American Railroads, Car Service Division, Washington, D. C.; annual summary, *Cars of Revenue Freight Loaded*. Weekly reports are published currently.

No. 715.—RAILWAYS (CLASS I)—REVENUE FREIGHT ORIGINATED, BY COMMODITY GROUPS: 1930 TO 1955

[In thousands of tons of 2,000 pounds. Excludes switching and terminal roads. Excludes nonrevenue freight; this is a large item in the case of a few commodities, notably coal. See also *Historical Statistics*, series K 52-69]

ITEM	1930	1935	1940	1945	1950	1953	1954	1955
Total.....	1,153,197	789,627	1,009,421	1,424,913	1,354,196	1,384,301	1,223,969	1,396,339
Products of agriculture.....	110,728	76,338	88,821	159,871	129,175	131,137	131,733	133,789
Animals and their products.....	23,129	15,125	15,456	23,748	14,321	13,768	13,128	13,161
Products of mines:								
Coal and coke.....	407,937	320,628	372,663	485,109	439,365	395,701	346,209	
Other.....	234,600	124,508	197,557	247,832	307,443	358,591	303,865	761,993
Products of forests.....	69,371	42,483	58,221	75,004	78,800	82,107	75,650	82,584
Manufactures and miscellaneous.....	277,765	196,506	262,010	412,216	374,144	394,742	346,420	397,819
All less than carload.....	29,607	14,039	14,693	20,833	10,888	8,255	6,964	6,993

<sup>1</sup> Includes forwarder traffic beginning 1940.

Source: Interstate Commerce Commission; annual reports, *Statistics of Railways in the United States*, and, beginning 1954, *Transport Statistics in the United States*, Part 1.

No. 716.—RAILWAYS—NUMBER AND COMPENSATION OF EMPLOYEES: 1920 TO 1955

[Excludes switching and terminal roads. See also *Historical Statistics*, series K 82-83]

YEAR	ALL OPERATING CARRIERS		CLASS I CARRIERS					
	Average number of employees	Total yearly compensation (\$1,000)	Average number of employees	Total hours (1,000)	Total yearly compensation (\$1,000)	Average hours per employee	Average compensation	
							Per hour <sup>1</sup>	Per year
1920.....	2,075,886	3,754,281	2,022,832	5,446,741	3,681,801	2,693	\$0.676	\$1,820
1925.....	1,786,411	2,916,193	1,744,311	4,531,361	2,860,800	2,598	.631	1,640
1930.....	1,517,043	2,588,598	1,487,839	3,759,772	2,560,789	2,527	.678	1,714
1935.....	1,013,654	1,666,229	994,371	2,397,353	1,643,879	2,411	.686	1,653
1936.....	1,086,405	1,873,819	1,065,624	2,675,345	1,848,636	2,511	.691	1,735
1937.....	1,136,912	2,013,677	1,114,663	2,799,599	1,985,447	2,512	.709	1,781
1938.....	958,280	1,771,083	939,171	2,329,606	1,746,141	2,481	.750	1,859
1939.....	1,006,711	1,889,130	987,675	2,488,635	1,863,334	2,520	.749	1,887
1940.....	1,045,738	1,990,631	1,026,848	2,615,905	1,964,125	2,548	.751	1,913
1941.....	1,159,025	2,360,369	1,130,925	2,989,788	2,331,650	2,623	.780	2,045
1942.....	1,290,818	2,066,082	1,270,687	3,440,957	2,932,076	2,708	.852	2,307
1943.....	1,374,518	3,556,189	1,355,114	3,816,420	3,520,926	2,816	.923	2,588
1944.....	1,434,167	3,897,755	1,414,776	3,996,873	3,857,957	2,825	.965	2,727
1945.....	1,438,545	3,900,928	1,419,505	3,979,637	3,862,001	2,804	.970	2,721
1946.....	1,377,700	4,213,530	1,359,263	3,632,338	4,170,767	2,672	1.148	3,068
1947.....	1,370,510	4,399,296	1,351,863	3,613,296	4,352,047	2,673	1.204	3,219
1948.....	1,345,076	4,320,747	1,326,597	3,545,081	4,768,828	2,672	1.345	3,505
1949.....	1,209,102	4,468,545	1,192,019	3,018,736	4,418,790	2,533	1.464	3,707
1950.....	1,236,879	4,644,890	1,220,401	2,876,591	4,594,423	2,357	1.597	3,765
1951.....	1,292,000	5,328,072	1,275,744	2,978,870	5,272,975	2,335	1.770	4,133
1952.....	1,241,063	5,382,489	1,226,421	2,845,217	5,326,804	2,320	1.872	4,343
1953.....	1,221,300	5,380,828	1,205,966	2,777,235	5,324,951	2,303	1.917	4,416
1954.....	1,078,403	4,906,584	1,064,337	2,467,515	4,853,660	2,318	1.967	4,560
1955.....	1,071,387	5,044,278	1,057,866	2,502,608	4,992,235	2,366	1.995	4,719

<sup>1</sup> Calculated for all classes of employees, including those not paid on an hourly basis.

Source: Interstate Commerce Commission; annual reports, *Statistics of Railways in the United States*, and, beginning 1954, *Transport Statistics in the United States*, Part 1.

No. 717.—RAILWAYS (CLASS I)—NUMBER AND COMPENSATION OF EMPLOYEES, BY DISTRICTS AND BY CLASS: 1954 AND 1955

[For years ending December 31. Includes class I switching and terminal companies]

DISTRICT OR CLASS	AVERAGE NUMBER OF EMPLOYEES		TOTAL COMPENSATION (\$1,000)		AVERAGE PER HOUR, STRAIGHT TIME		AVERAGE PER MONTH, TOTAL COMPENSATION	
	1954	1955	1954	1955	1954	1955	1954	1955
<b>All employees</b> .....	1,110,783	1,103,857	5,063,622	5,211,654	\$1.945	\$1.967	\$380	\$393
<b>District:</b>								
Eastern district <sup>1</sup> .....	490,571	493,781	2,254,137	2,376,004	1.974	1.998	383	401
Southern region <sup>1</sup> .....	154,544	146,480	679,529	665,244	1.900	1.928	366	378
Western district.....	465,668	463,596	2,129,956	2,170,406	1.930	1.946	381	390
<b>Class:</b>								
Executives, officials, and staff assistants.....	16,742	16,782	161,207	165,387	3.997	3.991	802	821
Professional, clerical, and general.....	207,802	204,920	900,453	909,350	1.985	1.995	361	379
Maintenance of way and structures.....	204,164	201,790	738,674	746,513	1.668	1.704	302	308
Maintenance of equipment and stores.....	286,058	283,570	1,181,665	1,199,002	1.913	1.926	344	352
Transportation (other than train service, engine, and yard).....	137,925	133,489	577,247	573,125	1.804	1.821	349	358
Transportation (yardmasters, switch tenders, and hostlers).....	15,917	15,395	95,562	95,110	2.191	2.220	500	515
Transportation (train and engine service).....	242,175	247,911	1,408,815	1,523,167	2.028	2.068	485	512

<sup>1</sup> Pochontas region included with Eastern district.

Source: Interstate Commerce Commission; annual report, *Wage Statistics of Class I Steam Railways in the United States*.

No. 718.—THE ALASKA RAILROAD—SUMMARY OF PASSENGER AND FREIGHT SERVICES: 1955 AND 1956

[For years ending June 30]

ITEM	1955	1956	ITEM	1955	1956
Road mileage operated—monthly average.....	503	505	<b>FREIGHT TRAFFIC</b>		
<b>PASSENGER TRAFFIC</b>			Freight-train miles.....	397,351	421,776
Passenger-train miles <sup>1</sup> .....	246,232	219,009	All cars, 1 mile freight and mixed trains.....1,000..	17,191	17,034
Passenger-car miles, passenger trains <sup>1</sup> .....	1,047	920	Loaded.....do.....	9,786	9,776
Total revenue passengers carried.....	126,961	113,069	Empty.....do.....	7,405	7,258
Revenue passengers carried 1 mile.....1,000..	16,676	12,708	Tons of revenue freight carried:		
Total passenger revenue \$1,000..	833	605	Coal.....	676,252	575,330
Average revenue per passenger per mile.....cents..	5.00	4.76	Miscellaneous.....	803,046	897,938
			Tons of revenue freight carried 1 mile.....1,000..	250,715	236,616
			Total freight revenue \$1,000..	15,572	14,906
			Average revenue per ton per mile.....cents..	6.21	6.30

<sup>1</sup> Including motor miles.

Source: Department of the Interior, The Alaska Railroad.

**No. 719.—RAILWAY ACCIDENTS—NUMBER OF PERSONS KILLED AND INJURED, BY STATUS: 1891 TO 1955**

[For years ending June 30 prior to 1916; December 31 thereafter. For various reasons, including fact that returns were required under different acts, statistics are not strictly comparable. Prior to 1921, train accidents were those causing damage to railway property in excess of \$150 or any damage and a resulting casualty. From 1921-47 they were considered as such when damage exceeded \$150 with or without a casualty; for 1948, accidents causing damages in excess of \$250, with or without a casualty, were classified as train accidents; for 1949-50, train accidents were those causing damage of \$275 or more; in 1951, \$300 or more; in 1952, \$325 or more; and beginning 1953, \$350 or more. Where damage was less than the amounts specified and there was a reportable casualty it was classified as a train-service accident. Figures for years 1911-15 include industrial and other nontrain accidents to employees only, and for years 1908-10 exclude switching and terminal roads. Otherwise, data cover all reportable accidents, including those due to suicide, mental derangement, and attempting to escape custody. See also *Historical Statistics*, series K 84-93]

YEARLY AVERAGE OR YEAR	TOTAL		PASSENGERS <sup>1</sup>		EMPLOYEES <sup>2</sup>		OTHER PERSONS		TRESPASSERS	
	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured
1891-1895.....	6,821	35,313	202	2,067	2,315	27,051	595	1,283	3,618	4,011
1896-1900.....	6,946	42,248	222	3,237	2,054	32,793	634	1,547	4,036	4,672
1901-1905.....	9,326	72,943	392	7,894	3,249	57,200	891	2,793	4,795	5,047
1906-1910.....	10,210	105,617	385	11,625	3,572	83,502	994	4,830	5,258	5,650
1911-1915.....	10,174	174,941	273	13,382	3,273	148,640	1,262	6,836	5,366	6,083
1916-1920.....	8,662	176,693	304	7,419	2,855	157,523	2,074	8,460	3,429	3,291
1921-1925.....	6,618	141,688	173	5,578	1,654	123,790	2,225	9,420	2,566	2,901
1926-1930.....	6,623	89,543	101	3,667	1,395	73,522	2,606	9,822	2,521	2,532
1931-1935.....	5,127	29,834	38	1,995	589	18,222	1,811	6,529	2,688	3,057
1936-1940.....	4,987	31,292	56	2,533	613	19,765	1,866	6,883	2,452	2,111
1941-1945.....	5,060	53,813	174	4,274	989	41,223	2,059	7,038	1,838	1,278
1946-1950.....	3,918	41,868	97	3,706	598	30,778	1,777	6,243	1,446	1,141
1947.....	4,285	48,819	79	4,246	791	36,880	1,903	6,502	1,512	1,191
1948.....	3,883	43,107	59	3,607	622	31,961	1,728	6,409	1,476	1,130
1949.....	3,426	32,123	37	2,645	450	22,993	1,614	5,506	1,325	1,079
1950.....	3,486	33,267	180	3,419	392	22,586	1,669	6,129	1,245	1,133
1951.....	3,459	34,454	150	3,184	432	24,266	1,693	5,993	1,184	1,011
1952.....	3,011	30,001	24	2,049	386	21,339	1,522	5,669	1,079	944
1953.....	3,039	29,214	49	2,603	343	20,170	1,571	5,577	1,076	964
1954.....	2,575	25,547	30	2,247	235	17,219	1,399	5,181	911	900
1955.....	2,761	27,840	24	2,253	282	19,011	1,635	5,765	820	811

<sup>1</sup> Data cover passengers on trains and travelers not on trains. Casualties sustained in nontrain accidents included with "Other persons."

<sup>2</sup> Prior to 1921 casualties sustained by employees not on duty in nontrain accidents included with "Other persons."

Source: Interstate Commerce Commission; annual report, *Accident Bulletin—Steam Railways*.

**No. 720.—ACCIDENTS AT HIGHWAY GRADE CROSSINGS (ALL RAILWAYS)—AUTOMOBILE AND TOTAL CASUALTIES: 1935 TO 1955**

[Excludes casualties due to suicide, mental derangement, and attempting to escape custody. See also headnote, table 719]

YEAR	Number of accidents	ALL PERSONS		ACCIDENTS WHICH INVOLVED AUTOMOBILES		
		Number killed	Number injured	Persons killed	Persons injured	Total casualties per 10,000 automobiles registered
1935.....	3,933	1,680	4,658	1,442	4,434	2.24
1940.....	4,104	1,808	4,632	1,576	4,430	1.88
1942.....	4,150	1,870	4,616	1,621	4,386	1.84
1943.....	3,781	1,732	4,217	1,378	3,944	1.74
1944.....	3,811	1,840	4,216	1,512	3,983	1.83
1945.....	4,100	1,903	4,446	1,577	4,126	1.86
1946.....	4,001	1,851	4,397	1,558	4,137	1.68
1947.....	4,015	1,790	4,261	1,521	4,055	1.49
1948.....	3,964	1,612	4,255	1,355	4,054	1.33
1949.....	3,523	1,507	3,774	1,307	3,607	1.11
1950.....	4,000	1,576	4,368	1,393	4,206	1.15
1951.....	3,995	1,578	4,335	1,396	4,161	1.08
1952.....	3,592	1,407	3,904	1,249	3,752	0.95
1953.....	3,675	1,494	3,815	1,319	3,688	0.90
1954.....	3,336	1,303	3,426	1,151	3,314	0.76
1955.....	3,846	1,446	4,014	1,313	3,886	0.83

Source: Interstate Commerce Commission; annual report, *Accident Bulletin—Steam Railways*.

No. 721.—TRANSIT INDUSTRY—SUMMARY: 1930 TO 1955

[Calendar years except as noted. Comprises all organized local passenger transportation agencies except taxicabs, suburban railroads, and sightseeing and school buses. Covers (a) local motorbus lines, (b) electric street railways, (c) elevated and subway lines, (d) interurban electric railways, and (e) trolley coach lines. Based on financial and statistical reports received by American Transit Association from transit companies representing more than 85 percent of the industry]

ITEM	1930	1935	1940	1945	1950	1952	1953	1954	1955
Miles of route operated (Dec. 31):									
Electric railway—miles of single track	35,400	26,700	19,602	17,702	10,813	8,532	7,352	6,765	6,197
Surface	34,320	25,470	18,360	16,480	9,590	7,309	6,126	5,547	4,976
Subway and elevated	1,080	1,230	1,242	1,222	1,223	1,223	1,226	1,218	1,221
Trolley coach—miles of negative overhead wire	146	548	1,925	2,313	3,513	3,736	3,663	3,630	3,428
Motorbus—miles of route round trip	60,900	58,100	78,000	90,400	98,000	99,600	100,000	99,000	99,800
Passenger vehicles owned (Dec. 31)									
Electric railway cars	86,263	74,844	75,464	89,758	86,310	82,336	78,875	76,198	73,089
Surface	64,790	50,466	37,662	36,377	22,986	19,176	17,234	15,000	14,532
Subway and elevated	55,150	40,050	26,630	26,160	13,228	9,700	7,990	6,400	5,300
Trolley coaches	9,640	10,416	11,032	10,217	9,758	9,476	9,244	9,200	9,232
Motor buses	173	573	2,802	3,711	6,504	7,180	6,941	6,598	6,157
Investment (Dec. 31) . . . millions	( <sup>1</sup> )	( <sup>1</sup> )	\$4,096	\$4,262	\$3,918	\$3,910	\$3,900	\$3,863	\$3,821
Electric railway	( <sup>1</sup> )	( <sup>1</sup> )	3,588	3,620	3,060	2,992	2,980	2,942	2,902
Surface	( <sup>1</sup> )	( <sup>1</sup> )	1,574	1,570	913	801	780	692	616
Subway and elevated	( <sup>1</sup> )	( <sup>1</sup> )	2,014	2,050	2,147	2,191	2,220	2,250	2,286
Trolley coach	( <sup>1</sup> )	( <sup>1</sup> )	68	76	144	172	170	165	160
Motorbus	( <sup>1</sup> )	( <sup>1</sup> )	450	596	714	746	750	756	759
Operating revenues	\$963	\$681	\$737	\$1,380	\$1,452	\$1,501	\$1,513	\$1,472	\$1,426
Electric railway	803	520	456	710	478	494	490	473	440
Surface	649	388	328	560	362	280	251	204	175
Subway and elevated	154	132	128	149	216	214	239	269	264
Trolley coach	2	15	25	68	122	147	151	142	131
Motorbus	158	156	256	603	752	807	872	857	856
Vehicle miles operated	2,707	2,327	2,596	3,254	3,007	2,814	2,696	2,549	2,448
Electric railway	1,995	1,544	1,316	1,398	906	721	665	591	561
Surface	1,540	1,097	845	940	463	321	274	215	178
Subway and elevated	455	447	471	458	443	400	391	376	383
Trolley coach	6	19	86	133	206	215	212	197	177
Motorbus	706	764	1,194	1,723	1,895	1,878	1,819	1,761	1,710
Passengers carried	15,567	12,226	13,068	23,254	17,246	15,119	13,902	12,392	11,529
Electric railway	13,072	9,512	8,325	12,124	6,168	4,601	4,076	3,401	3,077
Surface	10,513	7,276	5,943	9,426	3,904	2,477	2,036	1,489	1,267
Subway and elevated	2,559	2,236	2,382	2,698	2,294	2,124	2,040	1,912	1,870
Trolley coach	16	96	534	1,244	1,658	1,640	1,566	1,367	1,202
Motorbus	2,479	2,618	4,239	9,886	9,420	8,878	8,260	7,624	7,250
Revenue passengers carried	12,528	9,782	10,504	18,982	13,845	12,022	11,036	9,858	9,189
Electric railway	10,346	7,408	6,465	9,636	4,903	3,696	3,308	2,820	2,586
Surface	7,782	5,156	4,183	7,081	2,790	1,714	1,403	1,039	845
Subway and elevated	2,564	2,252	2,282	2,555	2,113	1,982	1,903	1,781	1,741
Trolley coach	13	77	419	1,001	1,261	1,201	1,137	993	869
Motorbus	2,169	2,297	3,620	8,345	7,081	7,125	6,593	6,045	5,734
Number of employees (average)	276,444	209,200	202,400	242,000	240,000	227,000	220,000	211,000	198,000
Electric railway	247,244	164,400	122,500	129,200	90,900	82,000	75,000	71,000	66,000
Trolley coach	400	1,300	6,400	8,500	15,400	18,000	19,000	18,000	16,000
Motorbus	28,800	43,500	73,500	104,300	133,700	127,000	126,000	122,000	116,000
Payroll, total . . . . . millions	\$179	\$321	\$360	\$632	\$835	\$903	\$913	\$895	\$864

<sup>1</sup> Not available.

Source: American Transit Association, New York, N. Y.; annual report, *Transit Fact Book*.

No. 722.—MOTORBUS LINES—SUMMARY OF OPERATIONS OF COMMON CARRIERS AND SCHOOL BUSES: 1945 TO 1956

ITEM	1945	1950	1952	1953	1954	1955	1956
<b>COMMON CARRIER BUS OPERATIONS</b>							
Number of operating companies (Dec. 31):							
City and city suburban	1,311	1,638	1,626	1,550	1,575	1,575	1,527
Intercity	2,645	2,858	2,847	2,650	2,625	2,600	2,390
Number of buses (Dec. 31):							
City and city suburban	50,625	57,570	56,456	56,400	55,700	55,200	52,400
Intercity	31,250	28,711	28,563	28,500	27,600	27,200	26,000
Miles of highway covered (Dec. 31): <sup>1</sup>							
City and city suburban	39,300	53,310	54,229	60,300	61,700	60,600	60,950
Intercity	363,000	400,284	439,436	404,500	398,300	410,000	377,820
Total bus miles (millions):							
City and city suburban	1,605	1,882	1,877	1,831	1,743	1,711	1,727
Intercity	1,560	1,500	1,480	1,527	1,436	1,375	1,302
Revenue passengers, line service (millions):							
City and city suburban <sup>2</sup>	8,650	7,750	7,138	6,658	6,125	5,758	5,594
Intercity	1,092	815	779	750	669	612	570
Operating revenue (\$1,000):							
City and city suburban	644,500	798,933	888,577	912,569	893,405	880,987	915,257
Intercity	576,000	510,815	575,676	569,867	530,312	527,660	547,314
Taxes assignable to operations (\$1,000): <sup>3</sup>							
City and city suburban	63,400	62,025	76,684	74,795	77,100	76,259	78,143
Intercity	41,350	42,508	45,518	44,235	42,530	43,678	44,305
Net operating revenue (\$1,000):							
City and city suburban		8,540	17,150	19,206	15,653	21,597	29,400
Intercity		37,962	56,564	51,842	34,619	36,182	38,085
Number of employees (Dec. 31): <sup>4</sup>							
City and city suburban		129,043	124,425	123,900	121,200	115,600	117,000
Intercity		66,570	62,790	62,100	61,200	58,417	56,810
<b>SCHOOL BUS OPERATIONS</b>							
Number of schools and school districts using buses	40,000	43,813	41,208	45,480	45,266	44,233	42,364
Number of buses	80,000	104,179	119,347	130,508	134,972	137,552	142,977
Total bus-miles..... millions	1,725		1,120	1,028	1,089	1,148	1,200
Children carried daily..... 1,000	4,700	6,264	7,064	7,950	8,499	9,053	9,682
Cost of service annually..... \$1,000	93,500	180,183	239,385	267,578	295,718	312,730	357,277

<sup>1</sup> Includes duplication between carriers. <sup>2</sup> Includes revenue transfer passengers.

<sup>3</sup> Excludes income taxes. <sup>4</sup> Operating companies only.

Source: McGraw-Hill Publishing Co., Inc., New York, N. Y.; published in *Bus Transportation* (Annual Review of Industry Progress Number) through 1955. Beginning 1956, published in *Fleet Owner*.

No. 723.—TROLLEY COACH AND ELECTRIC RAIL LINES—SUMMARY OF OPERATIONS: 1945 TO 1955

ITEM	1945	1950	1952	1953	1954	1955
<b>TROLLEY COACH LINES</b>						
Number of companies (Dec. 31)	45	42	40	40	40	38
Number of buses owned (Dec. 31)	3,711	6,504	7,180	6,941	6,598	6,157
Miles of street (Dec. 31)	953	1,457	1,487	1,487	1,487	1,323
Total bus-miles..... millions	133	206	215	212	197	177
Revenue passengers <sup>1</sup>	1,001	1,261	1,201	1,137	993	869
Operating revenue..... do	\$68	\$122	\$147	\$151	\$142	\$131
Taxes assignable to operations <sup>2</sup> ..... do	2,850	4,912	7,350	7,210	7,047	6,695
Net operating revenue..... do		15,384	15,438	14,300	9,760	8,751
Number of employees on payroll	20,600	15,400	18,000	19,000	18,000	16,000
<b>ELECTRIC RAIL OPERATIONS<sup>3</sup></b>						
Number of companies	172	80	75	70	65	61
Number of cars owned	36,377	22,986	19,176	17,234	15,600	14,532
Miles of single track	17,702	10,813	8,532	7,352	6,765	6,197
Miles of first main track	9,212	5,490	4,245	3,859	3,712	3,404
Operating revenue..... millions	\$710	\$578	\$494	\$490	\$473	\$440
Revenue passengers..... do	9,636	4,903	3,696	3,306	2,820	2,586
Revenue-miles operated..... do	1,398	907	722	665	591	561

<sup>1</sup> Includes revenue transfer passengers. <sup>2</sup> Excludes income taxes. <sup>3</sup> Includes subway and elevated lines.

Source: American Transit Association, New York, N. Y.; annual report, *Transit Fact Book*.

No. 724.—CLASS I INTERCITY MOTOR CARRIERS OF PROPERTY—SUMMARY OF FINANCIAL AND OPERATING STATISTICS: 1945 TO 1954

[All money figures in thousands of dollars, except revenue and expense per vehicle-mile. Covers common and contract carriers with average annual operating revenues of \$200,000 or more beginning 1950, and for prior years \$100,000 or more, engaged wholly or preponderantly in intercity service subject to jurisdiction of ICC; excludes carriers engaged in transportation of both property and passengers]

ITEM	1945	1950	1952	1953	1954
Number of carriers reporting	1,445	1,621	1,868	2,027	2,110
Investment in carrier operating property	258,578	747,756	1,026,429	1,190,650	1,289,654
Reserve for depreciation and amortization	134,905	309,430	475,444	568,048	652,879
<b>Income statement:</b>					
Operating revenue, total	746,394	2,379,713	3,059,069	3,493,326	3,451,017
Common carrier	675,678	2,180,779	2,803,310	3,176,413	3,107,870
Contract carrier	53,992	143,771	180,553	229,642	238,142
Other operating revenue	16,724	55,164	75,206	87,271	85,005
Expenses, total	745,002	2,215,006	2,923,993	3,360,302	3,323,108
Operation and maintenance expenses	588,140	1,968,089	2,655,931	3,057,834	2,991,909
Depreciation and amortization <sup>1</sup>	28,348	84,497	117,562	133,043	144,726
Operating taxes and licenses <sup>2</sup>	49,901	103,408	147,499	169,425	186,473
Operating rents, net	78,613	59,012			
Operating ratio (percent expenses of operating revenue)	99.8	93.1	95.6	96.2	96.9
Net operating revenue	1,392	164,707	135,076	133,024	107,909
Lease of distinct operating unit—Net	235	540	798	661	475
Other income, less income deductions	499	6,603	7,521	13,392	12,527
Net income before income taxes	1,656	158,555	126,758	119,071	94,906
Net income after income taxes	2,227	92,682	67,001	60,193	54,017
Dividend appropriations and withdrawals <sup>3</sup>	10,473	23,482	22,849	25,311	29,636
<b>Operating statistics and averages:</b>					
Owned revenue vehicles, total <sup>4</sup>	100,165	191,243	229,198	251,437	259,908
Intercity vehicle-miles—millions	2,165	5,352	6,137	6,802	6,538
Tons of intercity revenue freight carried <sup>5</sup> —1,000	108,017	212,997	243,418	270,208	271,367
Miles per owned vehicle	43,385	53,833	48,805	50,010	49,667
Revenue per vehicle-mile (intercity)	\$0.337	\$0.434	\$0.486	\$0.501	\$0.512
Expense per vehicle-mile (intercity) <sup>6</sup>	\$0.344	\$0.414	\$0.476	\$0.494	\$0.508

<sup>1</sup> Amortization represents a very small part of this total.

<sup>2</sup> Excludes Federal and State income taxes.

<sup>3</sup> Withdrawals of sole proprietors and partners.

<sup>4</sup> Excludes equipment used under lease, including operations conducted under "purchased transportation" arrangements.

<sup>5</sup> Includes duplications on account of tonnage received from connecting motor carriers.

<sup>6</sup> Basic figures include expenses of operating vehicles in local services not available separately.

No. 725.—CLASS I INTERCITY MOTOR CARRIERS OF PROPERTY—SELECTED OPERATING STATISTICS, BY REGIONS: 1953 AND 1954

[See headnote, table 724. Regions: 1, Conn., Maine, Mass., N. H., R. I., Vt.; 2, Del., D. C., Md., N. J., N. Y., Pa., W. Va.; 3, Ill., Ind., Mich. (Lower Pen.), Ohio; 4, Ala., Fla., Ga., Ky., Miss., N. C., S. C., Penn., Va.; 5, Mich. (Upper Pen.), Minn., N. Dak., S. Dak., Wis.; 6, Iowa, Kans., Mo., Neb.; 7, Ark., La., Okla., Tex.; 8, Colo., Idaho, Mont., N. Mex., Utah, Wyo.; 9, Ariz., Calif., Nev., Oreg., Wash.]

REGION AND YEAR	Number of carriers reporting	Operating revenue (\$1,000)	Total expenses (\$1,000)	OWNED REVENUE VEHICLES <sup>1</sup>				Intercity vehicle miles (millions)	EMPLOYEES <sup>2</sup>	
				Trucks	Truck-tractors	Semi-trailers	Full trailers		Average number	Compensation (\$1,000)
1953	2,027	3,493,326	3,360,302	34,270	80,328	131,573	5,266	6,802	306,678	1,417,770
1. New England	172	158,614	155,951	2,697	5,195	8,121	45	220	17,780	79,188
2. Middle Atlantic	471	624,453	602,903	6,048	16,797	26,379	182	1,052	57,625	262,527
3. Central	251	1,216,569	1,172,064	5,700	23,321	43,164	1,344	2,465	96,196	470,010
4. Southern	525	432,107	414,634	4,844	11,057	17,663	64	933	40,866	167,734
5. Northwestern	88	132,843	129,041	1,512	3,680	5,441	1	248	13,477	62,688
6. Midwestern	133	241,106	230,601	2,184	5,101	8,302	90	538	19,400	89,696
7. Southwestern	139	249,558	238,819	3,856	6,863	9,223	47	545	24,355	103,963
8. Rocky Mountain	59	132,711	123,847	1,651	2,149	3,625	339	271	10,776	50,056
9. Pacific	189	305,365	292,442	5,748	5,665	9,655	3,154	529	26,203	131,908
1954	2,110	3,431,017	3,323,108	35,064	82,278	137,105	5,461	6,538	303,823	1,453,841
1. New England	176	161,715	158,866	2,727	5,248	8,342	55	221	17,983	83,419
2. Middle Atlantic	497	620,679	605,661	6,329	17,239	27,775	201	1,018	58,637	275,157
3. Central	534	1,119,485	1,085,780	5,715	24,007	43,257	1,649	2,185	89,455	451,682
4. Southern	264	439,104	421,919	5,086	11,661	19,057	42	957	41,153	176,442
5. Northwestern	91	136,423	132,417	1,482	3,822	5,333		255	13,732	66,685
6. Midwestern	138	239,662	236,641	2,323	5,175	8,666	70	514	19,909	97,525
7. Southwestern	148	262,812	252,794	4,052	6,628	9,750	54	559	25,080	112,796
8. Rocky Mountain	67	143,160	134,123	1,697	2,316	3,788	341	298	11,210	56,689
9. Pacific	195	307,975	294,907	5,653	6,182	11,137	3,049	530	26,669	138,246

<sup>1</sup> See footnote 4, table 724.

<sup>2</sup> Excludes drivers of equipment engaged by these carriers to perform "purchased transportation" service.

Source of tables 724 and 725: Interstate Commerce Commission; annual reports, *Statistics of Class I Motor Carriers*, and, beginning 1954, *Transport Statistics in the United States*, Part 7.

No. 726.—CLASS I INTERCITY MOTOR CARRIERS OF PASSENGERS—SUMMARY OF FINANCIAL AND OPERATING STATISTICS: 1945 TO 1954

[All money figures in thousands of dollars, except average fare and revenue and expense per vehicle-mile. See headnote, table 724. Excludes carriers subject to ICC jurisdiction engaged preponderantly in local or suburban service and carriers engaged in transportation of both property and passengers]

ITEM	1945	1950	1952	1953	1954
Number of carriers reporting	231	172	160	161	155
Investment in carrier operating property	153,477	286,000	321,543	339,695	361,648
Reserve for depreciation and amortization	81,103	144,489	174,404	186,031	194,698
<b>Income statement:</b>					
Operating revenue, total	377,933	350,751	394,968	394,562	362,696
Passenger revenue <sup>1</sup>	364,769	324,529	357,812	351,791	319,286
Special bus revenue	5,381	11,694	18,556	21,091	21,675
Other operating revenue	7,783	14,528	18,600	20,780	21,935
Expenses, total	264,934	314,773	347,589	353,641	351,310
Operation and maintenance expenses	214,224	254,905	284,494	293,500	271,378
Depreciation and amortization <sup>2</sup>	17,336	27,188	26,665	24,705	25,925
Operating taxes and licenses <sup>3</sup>	26,846	28,649	31,760	31,491	30,110
Operating rents, net	6,528	4,030	4,669	4,395	3,896
Operating ratio (percent expenses of operating revenue)	70.1	89.7	88.0	89.6	91.3
Net operating revenue	112,999	35,978	47,379	40,921	31,587
Lease of carrier property, net	559	100	10	19	59
Other income, less income deductions	2,076	756	780	445	921
Net income before income taxes	110,364	35,121	46,588	40,457	30,617
Net income after income taxes	32,246	18,908	22,284	18,105	15,017
Dividend appropriations and withdrawals <sup>4</sup>	18,599	16,088	26,405	27,733	28,397
<b>Operating statistics and averages:</b>					
Passenger vehicles owned <sup>5</sup>	12,865	13,200	13,106	12,940	12,314
Vehicle-miles of owned and leased passenger vehicles, total <sup>6</sup>	930,561	958,530	975,467	972,252	856,579
Number of revenue passengers carried, total	564,444	389,898	358,755	350,103	315,919
Miles per vehicle <sup>7</sup>	71,429	65,411	65,934	66,169	64,350
Average fare per passenger, per carrier, intercity service	\$0.793	\$1.010	\$1.198	\$1.243	\$1.292
Passenger revenue per vehicle-mile, regular route intercity	\$0.401	\$0.346	\$0.380	\$0.376	\$0.375
Expense per vehicle-mile <sup>8</sup>	\$0.285	\$0.328	\$0.356	\$0.363	\$0.373

<sup>1</sup> Regular route intercity and local revenue. <sup>2</sup> Amortization represents a very small part of this total.

<sup>3</sup> Excludes Federal and State income taxes.

<sup>4</sup> Withdrawals of sole proprietors and partners.

<sup>5</sup> Total vehicles owned at close of year.

<sup>6</sup> Includes bus-miles of vehicles operated under "purchased transportation" arrangements.

<sup>7</sup> Averages for owned and leased vehicles.

<sup>8</sup> See footnote 6, table 724.

No. 727.—CLASS I INTERCITY MOTOR CARRIERS OF PASSENGERS—SELECTED OPERATING STATISTICS, BY REGIONS: 1953 AND 1954

[See headnote, table 726; for description of regions, see headnote, table 725]

REGION AND YEAR	Number of carriers reporting	Operating revenue (\$1,000)	Total expenses (\$1,000)	PASSENGER VEHICLES		REGULAR-ROUTE INTERCITY			EMPLOYEES	
				Total <sup>1</sup>	Inter-city <sup>2</sup>	Vehicle-miles (1,000)	Revenue passengers carried (1,000)	Average fare per passenger, per carrier	Average number	Compensation (\$1,000)
1953	161	394,562	353,641	14,329	13,372	882,387	266,743	1,243	40,063	168,029
1. New England	10	8,255	8,288	387	378	18,255	6,078	1.113	970	3,958
2. Middle Atlantic	35	46,245	44,549	1,900	1,626	80,503	49,193	1.686	4,918	20,290
3. Central	31	80,882	73,565	2,836	2,502	170,474	51,716	1.813	8,017	34,475
4. Southern	32	99,973	84,563	3,421	3,384	232,734	78,668	1.120	9,791	38,667
5. Northwestern	3	14,163	13,376	523	523	33,258	8,276	1.445	1,448	6,509
6. Midwestern	5	18,933	17,454	577	577	44,393	8,851	1.903	1,642	8,425
7. Southwestern	26	65,113	59,406	2,801	2,770	179,835	37,074	1.544	6,905	28,124
8. Rocky Mountain	8	4,228	3,824	263	263	10,020	1,954	1.817	437	1,837
9. Pacific	11	56,770	48,616	1,620	1,349	112,915	24,933	1.795	5,635	25,738
1954	155	362,896	331,310	13,585	12,429	798,611	231,849	1,292	37,317	160,705
1. New England	10	7,267	7,520	344	335	17,386	5,195	1.189	888	3,563
2. Middle Atlantic	35	44,826	44,229	1,860	1,494	76,306	45,193	1.706	4,810	20,622
3. Central	31	72,443	67,767	2,744	2,373	151,242	45,159	1.320	7,820	33,842
4. Southern	27	90,878	78,939	3,206	3,154	209,542	66,577	1.192	8,858	35,822
5. Northwestern	4	13,807	13,307	501	501	33,147	7,688	1.509	1,431	6,637
6. Midwestern	5	18,131	16,564	506	506	42,056	7,993	1.997	1,706	7,909
7. Southwestern	25	56,522	52,322	2,594	2,565	151,192	30,253	1.611	6,000	25,899
8. Rocky Mountain	8	3,932	3,550	237	236	9,513	1,635	2.040	377	1,671
9. Pacific	10	55,089	47,113	1,593	1,265	108,227	22,156	1.930	5,427	25,742

<sup>1</sup> Comprises average number operated in intercity service during year and number owned in local operations at close of year.

<sup>2</sup> Comprises vehicles owned, leased, and operated under "purchased transportation" arrangements, operated in intercity revenue service.

Source of tables 726 and 727: Interstate Commerce Commission; annual report, *Statistics of Class I Motor Carriers*, and, beginning 1954, *Transport Statistics in the United States*, Part 7.

## No. 728.—SUMMARY OF CIVIL FLYING: 1934 TO 1956

[As of Dec. 31 or for year ending Dec. 31. See also *Historical Statistics*, series K 246-273]

ITEM	1934	1940	1945	1950	1954	1955	1956
Miles of civil airways: <sup>1 2</sup>							
Equipped with low/medium frequency radio aids	19,081	32,100	43,285	70,253	69,359	67,770	67,783
Equipped with very high frequency radio aids					64,995	81,209	90,268
Total civil aircraft <sup>1 3</sup>	8,322	17,928	37,789	92,809	92,067	85,320	87,531
Active aircraft	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )	60,921	58,994	60,432	64,688
Hours flown <sup>6</sup>	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Business <sup>7</sup>	846	3,200	3,200	9,650	8,963	9,500	9,500
Commercial <sup>8</sup>	121	314	314	2,750	3,875	4,300	4,300
Instructional	207	387	387	1,500	1,829	1,950	1,950
Pleasure	217	1,529	1,529	3,000	1,292	1,275	1,275
Other	301	970	970	2,300	1,920	1,975	1,975
Miles flown <sup>6</sup>	1,000	1,000	1,000	1,000	1,000	1,000	1,000
Business <sup>7</sup>	75,602	264,000	264,000	1,061,500	1,119,205	1,216,000	1,216,000
Commercial <sup>8</sup>	11,697	25,910	25,910	339,700	552,610	627,800	627,800
Instructional	20,980	31,961	31,961	180,500	226,240	245,700	245,700
Pleasure	17,360	126,264	126,264	286,600	124,290	120,650	120,650
Other	25,565	79,865	79,865	244,100	209,980	221,850	221,850
Fuel consumed: <sup>6</sup>							
Gasoline	1,000 gal.	1,000 gal.	1,000 gal.	1,000 gal.	1,000 gal.	1,000 gal.	1,000 gal.
Oil	9,631	22,400	22,400	131,200	176,649	190,000	190,000
Certificated airplane pilots	13,949	69,829	296,895	339,700	613,695	643,201	643,201
Airline transport	676	1,431	5,815	13,341	13,700	13,700	13,700
Commercial	7,484	18,791	162,873	286,600	201,441	211,142	211,142
Private	5,789	49,607	128,207	339,700	398,913	418,359	418,359
Other certificated airmen:							
Glider pilots	109	138	2,438	3,512	3,512	3,659	3,659
Mechanics	8,156	11,177	27,272	85,558	85,558	91,001	91,001
Parachute riggers	358	444	1,029	2,628	2,628	2,859	2,859
Ground instructors	59	1,948	15,195	26,629	26,629	27,080	27,080
Aids to air navigation: <sup>1 2</sup>							
Radio range stations	112	292	360	749	749	768	783
Low/medium frequency	112	290	344	378	346	344	342
Very high frequency			16	371	403	424	441
Nondirectional radio beacons	73	48	88	141	170	175	180
Airport towers			107	172	104	100	103
Airways centers		11	29	31	31	31	32
Combined station/towers					70	75	79
Air traffic communications stations	205	365	438	451	376	364	369
Instrument landing systems		1	9	96	153	157	160
Airports in operation <sup>9</sup>	2,297	2,331	4,026	6,403	6,977	6,839	17,028
Public <sup>10</sup>					2,783	2,713	12,889
Limited <sup>10</sup>					4,194	4,126	14,139
Lighted airports	664	776	1,007	1,670	1,108	1,247	1,399
Aircraft accidents (non-air-carrier) <sup>11</sup>	1,491	3,471	4,652	4,505	3,380	3,342	3,401
Aircraft destroyed	387	433	792	1,527	802	798	684
Substantial damage	1,113	2,505	3,818	2,947	2,535	2,508	2,670
Minor and no damage	19	533	42	31	43	36	47
Degree of injury to persons in aircraft accidents (non-air-carrier):							
Fatal	323	359	508	871	684	622	655
Severe	199	327	446	546	385	348	342
Minor and no injury	2,226	4,744	6,296	6,263	4,884	4,932	5,106

<sup>1</sup> Continental United States, and Territories and possessions.<sup>2</sup> Federal airways. <sup>3</sup> Includes gliders.<sup>4</sup> Not available. <sup>5</sup> Excludes all aircraft operated by scheduled airlines and by CAA.<sup>6</sup> Data statistically computed from trend, since no formal survey was conducted.<sup>7</sup> Includes flying for corporate or executive purposes as well as flying by individuals, including farmers and ranchers, on personal business.<sup>8</sup> Includes contract, charter, industrial, and commercial agricultural flying.<sup>9</sup> Existing airports and airfields recorded with CAA. "Limited" includes seaplane bases and heliports.<sup>10</sup> See footnote 4, table 737, for current definitions.<sup>11</sup> For 1934, detail shown is number of planes involved in accidents; for other years, number of accidents.Source: Department of Commerce, Civil Aeronautics Administration, and Civil Aeronautics Board. Published in *CAA Statistical Handbook of Civil Aviation*.

## No. 729.—SCHEDULED AIR CARRIERS—SUMMARY OF OPERATIONS: 1934 TO 1956

[As of Dec. 31 or for year ending Dec. 31, except as noted. See also *Historical Statistics*, series K 246-273]

ITEM	1934	1940	1945	1950	1954	1955	1956
Number of operators:							
Domestic.....	24	19	20	38	32	31	30
International.....	2	3	4	12	15	15	13
Route miles in operation.....	50,801	95,079	87,401	183,841	190,782	192,997	108,528
Domestic <sup>1</sup> .....	28,609	42,757	48,516	77,440	78,204	78,992	84,330
International <sup>2</sup> .....	22,192	52,322	38,885	106,401	112,488	114,005	114,198
Aircraft in service.....	522	437	518	1,120	1,336	1,359	1,543
Domestic.....	423	369	421	960	1,175	1,212	1,347
Single-engine.....			11	29	20	19	20
Twin-engine.....			405	571	648	645	601
Four-engine.....			5	360	507	548	636
International.....	99	68	97	160	161	147	196
Twin-engine.....			71	35	32	23	20
Four-engine.....			26	125	129	124	176
Average available seats: <sup>3</sup>							
Domestic.....	8.86	16.54	19.68	37.47	50.07	51.60	52.43
International.....	( <sup>4</sup> )	18.28	18.91	40.96	56.74	56.33	58.70
Average speed (miles per hour):							
Domestic.....	( <sup>4</sup> )	( <sup>4</sup> )	155.4	181.2	205.8	209.0	212.6
International.....	( <sup>4</sup> )	( <sup>4</sup> )	150.7	218.4	242.1	245.4	249.1
Fuel consumed:							
Gasoline.....							
1,000 gal.....	25,136	74,535	159,911	572,246	980,706	1,140,447	1,279,357
Domestic.....do.....	18,925	65,675	134,824	418,442	775,586	902,936	1,004,732
International.....do.....	6,211	8,860	25,087	153,804	205,120	237,511	274,625
Oil.....do.....	839	1,288	2,025	6,675	11,587	13,832	16,192
Domestic.....do.....	669	1,104	1,710	5,007	9,348	11,311	13,671
International.....do.....	170	184	316	1,668	2,239	2,521	2,521
Total personnel employed.....	6,477	22,051	68,281	82,786	109,541	122,203	131,503
Domestic.....	4,201	15,984	50,313	61,903	84,765	95,548	103,489
International.....	2,276	6,067	17,968	20,883	24,776	26,655	28,014
Revenue miles flown (all services)							
1,000.....	49,065	119,753	241,578	458,087	667,316	752,255	834,517
Domestic.....do.....	41,526	110,101	208,969	364,256	550,648	620,720	687,614
International.....do.....	7,539	9,652	32,609	93,831	116,668	131,535	146,903
Revenue passengers carried.....do.....	<sup>5</sup> 572	<sup>5</sup> 2,965	<sup>5</sup> 7,052	<sup>5</sup> 19,019	<sup>5</sup> 35,218	<sup>5</sup> 41,441	<sup>5</sup> 45,686
Domestic.....do.....	<sup>5</sup> 475	<sup>5</sup> 2,803	<sup>5</sup> 6,576	<sup>5</sup> 17,345	<sup>5</sup> 32,343	<sup>5</sup> 38,025	<sup>5</sup> 41,738
International.....do.....	<sup>5</sup> 97	<sup>5</sup> 163	<sup>5</sup> 476	<sup>5</sup> 1,675	<sup>5</sup> 2,875	<sup>5</sup> 3,416	<sup>5</sup> 3,948
Revenue passenger-miles flown, domestic.....1,000,000.....	7190	1,052	3,362	8,003	16,769	19,819	22,360
Average passenger-mile rate, domestic.....	\$0.059	\$0.0507	\$0.0495	\$0.0555	\$0.0540	\$0.0535	\$0.0532
Express and freight, ton-miles flown.....1,000.....	( <sup>4</sup> )	( <sup>4</sup> )	30,914	211,914	270,603	319,040	354,470
Domestic.....do.....	<sup>5</sup> 597	3,476	22,197	151,351	188,271	228,071	254,131
International.....do.....	( <sup>4</sup> )	( <sup>4</sup> )	8,718	60,563	82,332	90,969	109,339
Mail, ton-miles flown:							
Domestic.....do.....	<sup>6</sup> 2,237	10,118	<sup>10</sup> 65,093	47,009	81,599	87,445	93,369
Accidents, domestic: <sup>11</sup>							
Number of accidents.....	71	30	40	39	49	45	50
Revenue miles flown per accident.....1,000.....	585	3,684	5,234	9,859	11,520	14,236	( <sup>4</sup> )
Total fatalities.....	29	45	88	109	23	179	156
Fatalities per 1,000,000 revenue miles flown.....	0.70	0.41	0.42	0.28	0.04	0.28	( <sup>4</sup> )
Accidents, international: <sup>11</sup>							
Number of accidents.....	2	6	5	6	5	5	3
Revenue miles flown per accident.....1,000.....	3,770	1,609	6,522	15,986	25,460	29,084	( <sup>4</sup> )
Total fatalities.....	9		27	56		4	
Fatalities per 1,000,000 revenue miles flown.....	1.19		0.83	0.58		0.03	

<sup>1</sup> 1934 as of Dec. 31; 1940 and 1945, averages for December; and 1950-55, based on fourth quarter.<sup>2</sup> 1934 and 1940, as of Dec. 31; 1945, average for December; and 1950-55, based on fourth quarter.<sup>3</sup> Obtained by dividing passenger seat miles by revenue miles flown in passenger service.<sup>4</sup> Not available.<sup>5</sup> Data for domestic passengers include duplication.<sup>6</sup> Includes nonrevenue passengers.<sup>7</sup> Includes nonrevenue miles.<sup>8</sup> Excludes Colonial Airlines, Inc., and Hawaiian Airlines, Ltd.<sup>9</sup> Excludes 224,236 ton-miles flown by U. S. Army.<sup>10</sup> Excludes regular mail carried under special contract.<sup>11</sup> Revenue operations accidents.Source: Department of Commerce, Civil Aeronautics Administration, and Civil Aeronautics Board. Published in *CAA Statistical Handbook of Civil Aviation*.

SCHEDULED AIR CARRIERS

579

No. 730.—SCHEDULED AIR CARRIERS—AVAILABLE SERVICE AND UTILIZATION, AND TRAFFIC CARRIED: 1946 TO 1956

[In millions]

ITEM	1946 <sup>1</sup>	1948 <sup>1</sup>	1949	1950	1951	1952	1953	1954	1955	1956 (prel.)
<b>SERVICE AND UTILIZATION</b>										
Available ton miles.....	1,202	1,899	2,151	2,412	2,820	3,349	3,935	4,442	5,234	6,053
Revenue ton miles.....	791	1,007	1,152	1,385	1,733	1,994	2,278	2,548	3,042	3,518
Ton mile load factor.....percent.	65.86	53.29	53.55	57.43	61.45	59.55	57.89	57.35	58.12	58.11
Available seat miles.....	9,110	13,720	15,350	16,834	20,010	24,115	28,935	33,343	38,545	43,645
Revenue passenger miles.....	7,049	7,872	8,827	10,241	13,202	15,619	18,234	20,599	24,339	27,615
Passenger load factor.....percent.	77.37	57.38	57.51	60.84	65.98	64.77	63.02	61.78	63.14	63.27
Revenue plane miles.....	369	441	463	478	530	590	658	689	782	870
<b>TRAFFIC CARRIED (revenue ton-miles)</b>										
<b>Total.....</b>	<b>791</b>	<b>1,007</b>	<b>1,152</b>	<b>1,385</b>	<b>1,733</b>	<b>1,994</b>	<b>2,278</b>	<b>2,548</b>	<b>3,042</b>	<b>3,518</b>
Passenger.....	687	768	863	1,001	1,287	1,523	1,776	2,006	2,367	2,685
U. S. mail.....	39	55	62	69	87	93	99	119	143	152
Express.....	39	72	77	82	42	42	44	41	51	52
Freight.....	15	76	113	189	254	288	304	312	383	434
Charter flights.....	.....	21	21	22	44	23	27	37	62	151
Excess baggage.....	12	15	17	22	21	25	29	33	37	43

<sup>1</sup> Excludes Alaskan Airlines in 1946 and all cargo airlines in 1946 and 1948.

Source: Air Transport Association of America, Washington, D. C.; *Airline Traffic and Financial Data*, quarterly review, Jan. 1, 1957, and records.

No. 731.—SCHEDULED AIR CARRIERS—OPERATING REVENUES AND EXPENSES: 1945 TO 1955

[In thousands of dollars]

ITEM	DOMESTIC AIR CARRIERS				INTERNATIONAL AIR CARRIERS			
	1945	1950	1954	1955	1945	1950	1954	1955
Net operating income.....	34,117	63,158	101,211	123,864	7,346	11,808	26,154	18,597
<b>Operating revenues, total.....</b>	<b>214,743</b>	<b>557,803</b>	<b>1,042,793</b>	<b>1,201,058</b>	<b>69,111</b>	<b>260,131</b>	<b>359,491</b>	<b>385,158</b>
Passenger.....	163,520	444,506	905,840	1,060,538	33,859	160,672	254,653	295,443
Mail.....	33,694	63,788	65,726	55,327	12,246	55,689	49,191	27,221
Express and freight.....	10,835	35,122	49,901	61,112	7,315	21,664	29,784	32,013
Excess baggage.....	2,298	5,077	10,631	12,168	1,571	3,244	6,997	7,385
Other.....	1,397	9,310	10,680	11,859	9,120	18,862	18,866	23,091
<b>Operating expenses, total.....</b>	<b>180,626</b>	<b>494,645</b>	<b>941,582</b>	<b>1,077,192</b>	<b>61,765</b>	<b>248,323</b>	<b>333,337</b>	<b>366,562</b>
Aircraft.....	69,223	241,060	487,380	551,089	22,918	122,776	157,726	171,427
Flying operations.....	43,421	141,816	279,971	323,220	15,297	70,980	99,044	108,954
Direct maintenance flight equip- ment.....	16,393	57,841	110,299	135,482	5,199	26,158	30,856	34,867
Depreciation flight equipment.....	9,409	41,403	97,106	92,983	2,422	25,638	27,828	27,605
Ground and indirect expense.....	111,403	253,585	454,200	525,508	38,847	125,547	175,610	195,135

Source: Department of Commerce, Civil Aeronautics Administration, and Civil Aeronautics Board. Published in *C.A.A. Statistical Handbook of Civil Aviation*.

## No. 732.—PERSONNEL OF DOMESTIC SCHEDULED AIR CARRIERS: 1934 TO 1956

[See also *Historical Statistics*, series K-250, for total personnel]

TYPE OF PERSONNEL	1934	1940	1945	1950	1953	1954	1955	1956
<b>Total</b> .....	4,201	15,984	50,313	61,903	84,651	84,765	95,548	103,489
Pilots and copilots.....	667	1,939	4,967	5,785	7,726	7,803	8,721	9,143
Other flight personnel.....	13	18	108	776	1,365	1,624	1,721	2,241
Purser, stewards, stewardesses.....	914	2,075	3,372	4,954	5,141	5,141	5,919	6,514
Meteorologists and dispatchers.....	193	2,613	2,450	2,665	2,419	2,548	2,614	2,614
Mechanics.....	1,650	4,054	10,844	15,788	20,717	20,108	23,776	25,789
Other hangar and field personnel.....	923	1,880	7,012	9,822	14,240	14,575	15,872	17,317
Office employees.....	961	5,855	19,241	21,894	30,193	30,436	34,148	36,841
All others.....	1,131	1,131	3,453	2,016	2,782	2,659	2,843	3,030

Source: 1934 and 1940, Department of Commerce, Civil Aeronautics Administration; 1945-56, Civil Aeronautics Board. Published in *CAA Statistical Handbook of Civil Aviation*.

## No. 733.—EMPLOYMENT, HOURS, AND EARNINGS IN AIRCRAFT INDUSTRIES (ANNUAL AVERAGES): 1948 TO 1956

ITEM	1948	1950	1951	1952	1953	1954	1955	1956
<b>EMPLOYMENT</b> <sup>1</sup> (1,000)								
<b>Total</b> .....	237.7	281.8	463.6	660.7	779.1	768.1	738.4	804.1
Aircraft.....	158.0	188.4	313.3	425.9	472.4	473.4	471.2	512.0
Aircraft engines and parts.....	48.6	55.8	90.8	138.8	174.7	158.9	147.1	165.2
Aircraft propellers and parts.....	7.7	8.3	10.8	14.5	17.7	15.9	13.6	16.1
Other aircraft parts and equipment.....	23.3	29.3	48.8	81.6	114.2	119.9	106.5	110.8
<b>HOURS AND EARNINGS</b>								
Average weekly earnings:								
Aircraft industries.....	\$60.21	\$67.15	\$75.78	\$79.66	\$82.19	\$85.07	\$89.62	\$94.66
Aircraft engines and parts industries.....	\$63.40	\$71.40	\$85.81	\$86.92	\$87.29	\$85.06	\$88.97	\$97.13
Average hourly earnings:								
Aircraft industries.....	\$1.47	\$1.62	\$1.75	\$1.87	\$1.99	\$2.08	\$2.17	\$2.27
Aircraft engines and parts industries.....	\$1.55	\$1.70	\$1.89	\$1.98	\$2.03	\$2.09	\$2.17	\$2.28
Average weekly hours:								
Aircraft industries.....	41.1	41.4	43.3	42.6	41.3	40.9	41.3	41.7
Aircraft engines and parts industries.....	40.9	42.1	45.4	43.9	43.0	40.7	41.0	42.6

<sup>1</sup>Data for week ending nearest middle of month.

Source: Department of Labor, Bureau of Labor Statistics, and Department of Commerce, Civil Aeronautics Administration and Bureau of the Census. Published in *CAA Statistical Handbook of Civil Aviation*.

No. 734.—DOMESTIC AIR CARGO—TON-MILES FLOWN, BY TYPE OF CARRIER: 1946 TO 1956

[In thousands of ton-miles. For schedule combination carriers, comprises express and freight ton-miles; for all-cargo and large irregular carriers, freight only]

YEAR	Total all carriers	SCHEDULED COMBINATION CARRIERS <sup>1</sup>			SCHEDULED ALL-CARGO CARRIERS <sup>3</sup>			Large irregular carriers <sup>4</sup>
		Total	Sched-uled	Non-sched-uled <sup>2</sup>	Total	Sched-uled	Non-sched-uled	
1946	82,593	42,593	38,109	4,484	19,460	-----	19,460	20,540
1947	127,959	67,959	63,026	4,933	28,856	-----	28,856	31,144
1948	150,766	100,995	100,661	334	38,567	-----	38,567	11,204
1949	174,481	123,677	122,275	1,402	37,684	10,541	27,093	18,170
1950	229,039	152,927	150,718	1,409	68,599	58,420	5,179	13,113
1951	239,547	142,805	142,609	136	79,056	74,610	4,446	17,686
1952	256,375	159,673	159,514	159	86,447	81,823	4,618	10,255
1953	275,916	176,497	176,428	69	81,330	74,579	6,751	18,089
1954	272,725	186,721	186,615	106	62,295	58,039	4,256	23,709
1955	367,627	226,689	226,425	264	100,882	88,802	12,080	40,056
1956	411,982	243,972	243,653	319	108,411	102,789	5,622	69,569

<sup>1</sup> Domestic trunk, local service, and helicopter carriers.

<sup>2</sup> Includes some military ton-miles and may include a small amount of international traffic.

<sup>3</sup> For periods prior to issuance of certificates, comprises operations for only those uncertificated carriers that were ultimately granted certificates.

<sup>4</sup> Comprises civil and military ton-miles.

<sup>5</sup> Nonscheduled freight ton-miles not reported by local service carriers.

Source: Department of Commerce, Civil Aeronautics Administration, and Civil Aeronautics Board.

No. 735.—CIVIL AIRCRAFT SHIPMENTS: 1948 TO 1956

ITEM	1948	1950	1951	1952	1953	1954	1955	1956
Aircraft shipments	7,302	3,520	2,477	3,509	4,134	3,389	4,820	7,205
Under 3,000 lbs. airframe weight	7,039	3,391	2,279	3,057	3,825	3,098	4,575	6,778
3,000 lbs. airframe weight and over	263	129	198	452	309	291	245	427
Airframe weight, total	10,083	5,961	4,982	9,322	10,374	10,494	10,231	16,202
Value of complete units, total—\$1,000	114,207	100,097	88,844	197,151	244,418	295,738	271,250	454,156
Aircraft shipments, by size:								
1- and 2-place	3,302	1,029	614	544	753	2,982	786	6,505
3- to 5-place	3,737	2,362	1,661	2,512	3,069	407	3,586	
Over 5-place	263	129	202	453	312	407	448	
Aircraft shipments, by horsepower: <sup>1</sup>								
1 to 99	2,990	597	150	85	100	2,968	4,144	6,282
100 to 399	4,026	2,789	2,123	2,971	3,722	421	676	923
400 and over	286	134	204	453	312			

<sup>1</sup> Total rated horsepower of all engines.

No. 736.—CIVIL AIRCRAFT EXPORTS: 1948 TO 1956

ITEM	1948	1950	1951	1952	1953	1954	1955	1956
NUMBER								
New fixed-wing aircraft	1,026	456	566	840	863	639	848	1,118
Passenger transports	91	48	26	25	87	110	95	151
Utility aircraft	935	408	540	815	776	529	749	966
Commercial and civilian, n. e. c. <sup>1</sup>	-----	-----	-----	-----	-----	-----	4	1
Used and surplus utility planes <sup>2</sup>	202	262	300	303	416	340	800	534
Rebuilt, including converted	-----	-----	-----	-----	-----	-----	66	55
Rotary-wing aircraft	47	38	28	37	98	74	89	1,371
New air-cooled reciprocating engines <sup>3</sup>	460	205	304	551	347	728	607	
VALUE (\$1,000)								
New fixed-wing aircraft	41,536	42,697	16,851	23,715	84,646	97,514	88,574	143,940
Passenger transports	37,395	40,444	13,230	18,161	79,176	93,010	81,144	132,929
Utility aircraft	4,141	2,253	3,621	5,554	5,470	4,504	7,422	11,009
Commercial and civilian, n. e. c. <sup>1</sup>	-----	-----	-----	-----	-----	-----	8	2
Used and surplus utility planes <sup>2</sup>	652	606	856	1,494	1,484	1,178	37,185	22,720
Rebuilt including converted	-----	-----	-----	-----	-----	-----	-----	-----
Rotary-wing aircraft	1,033	984	899	1,411	4,873	4,044	4,165	3,658
New air-cooled reciprocating engines <sup>3</sup>	326	201	509	942	708	1,516	2,016	3,529

<sup>1</sup> "N. e. c." means not elsewhere classified.

<sup>2</sup> Through 1954, excludes those of 3,000 pounds and over, empty airframe weight.

<sup>3</sup> Excludes those of 400 horsepower and over.

Source of tables 735 and 736: Department of Commerce, Civil Aeronautics Administration and Bureau of the Census. Published in *CAA Statistical Handbook of Civil Aviation*.

No. 737.—CIVIL AIRWAYS MILEAGE, CIVIL AIRCRAFT, AIRPORTS, AND FEDERAL-AID AIRPORT PROGRAM, BY STATES AND FOR TERRITORIES: 1956

[As of December 31, except as noted]

DIVISION AND STATE	CIVIL AIRWAYS MILEAGE		CIVIL AIRCRAFT <sup>3</sup>		AIRPORTS AND AIRFIELDS <sup>4</sup>			FEDERAL-AID AIRPORT PROGRAM <sup>5</sup> (\$1,000)		
	L/MF <sup>1</sup>	VHF <sup>2</sup>	Total	Active	Total	Public	Limited <sup>6</sup>	Total	Federal funds	Sponsor funds
<b>Total</b> .....	67,783	90,268	87,531	64,688	7,028	2,889	4,139	660,063	325,861	334,202
<b>New England:</b>										
Maine.....	1,101	637	458	356	105	22	83	3,202	1,609	1,593
New Hampshire.....	387	240	211	151	35	15	20	1,252	625	627
Vermont.....	250	158	112	22	11	11	1,656	824	832	
Massachusetts.....	667	633	1,299	922	81	47	34	15,424	7,321	8,103
Rhode Island.....	131	137	173	125	9	6	3	4,534	2,213	2,321
Connecticut.....	463	581	693	500	38	19	19	4,171	2,090	2,081
<b>Middle Atlantic:</b>										
New York.....	1,559	3,505	4,194	3,059	280	113	167	45,618	21,006	24,612
New Jersey.....	699	1,157	1,835	1,290	98	51	47	16,195	7,899	8,296
Pennsylvania.....	2,484	5,038	3,307	2,434	271	136	136	37,099	18,149	18,920
<b>East North Central:</b>										
Ohio.....	2,662	3,979	4,123	3,054	269	134	135	25,955	12,719	13,236
Indiana.....	1,287	2,791	2,481	1,953	132	88	44	12,400	6,079	6,390
Illinois.....	1,778	4,290	4,788	3,669	348	132	216	43,612	21,148	22,464
Michigan.....	2,488	1,943	3,626	2,710	252	104	148	25,566	12,421	13,145
Wisconsin.....	568	1,304	1,711	1,338	182	80	102	14,033	6,046	7,387
<b>West North Central:</b>										
Minnesota.....	1,021	1,330	2,275	1,827	229	67	162	16,742	8,332	8,410
Iowa.....	687	1,499	1,921	1,654	183	80	103	9,871	4,856	5,015
Missouri.....	1,120	2,910	2,063	1,567	118	63	55	22,371	11,172	11,199
North Dakota.....	877	539	923	612	171	37	134	2,998	1,501	1,497
South Dakota.....	751	1,080	979	749	74	34	40	3,087	1,646	1,441
Nebraska.....	936	1,127	1,436	1,144	195	79	116	6,602	3,273	3,329
Kansas.....	1,178	1,271	2,407	1,860	227	81	146	6,910	3,387	3,523
<b>South Atlantic:</b>										
Delaware.....	129	148	259	189	22	9	13	382	194	188
Maryland.....	791	747	804	576	43	23	20	7,904	3,943	3,961
Dist. of Columbia.....	13	3	473	340	1	1	1			
Virginia.....	1,741	2,230	1,142	830	94	47	47	8,097	4,072	4,025
West Virginia.....	715	1,752	491	350	45	26	19	8,739	4,349	4,390
North Carolina.....	1,038	1,720	1,533	1,126	116	57	59	8,306	4,185	4,121
South Carolina.....	948	1,430	820	372	62	30	32	2,838	1,429	1,409
Georgia.....	1,213	2,294	1,162	834	113	46	67	16,096	8,103	7,993
Florida.....	2,222	3,075	2,688	1,787	190	63	22,537	10,742	11,795	
<b>East South Central:</b>										
Kentucky.....	809	1,785	608	459	47	25	22	11,092	5,500	5,592
Tennessee.....	1,086	1,540	922	665	55	31	24	14,320	7,166	7,154
Alabama.....	1,592	1,721	738	521	75	29	46	8,707	4,359	4,348
Mississippi.....	690	733	890	634	82	33	49	4,595	2,284	2,311
<b>West South Central:</b>										
Arkansas.....	771	1,227	1,070	756	85	40	45	5,726	2,837	2,889
Louisiana.....	1,078	1,932	1,459	1,056	105	32	73	16,086	7,976	8,110
Oklahoma.....	1,586	2,110	1,884	1,467	145	60	85	11,138	5,598	5,540
Texas.....	5,540	8,155	7,011	5,268	609	209	400	40,089	19,772	20,317
<b>Mountain:</b>										
Montana.....	1,508	1,741	1,154	917	166	53	113	4,152	2,245	1,907
Idaho.....	848	716	824	646	100	38	122	3,737	2,072	1,665
Wyoming.....	1,395	1,653	461	365	73	28	45	3,337	1,894	1,443
Colorado.....	808	1,623	1,169	907	118	43	75	10,616	5,117	5,499
New Mexico.....	1,490	2,555	780	548	98	38	60	4,433	2,452	1,981
Arizona.....	1,280	1,700	1,207	825	149	40	103	9,791	5,653	4,138
Utah.....	1,002	1,352	512	365	68	29	29	6,660	4,121	2,530
Nevada.....	664	738	417	287	81	26	55	5,508	3,428	2,080
<b>Pacific:</b>										
Washington.....	1,052	1,051	2,199	1,638	181	65	116	13,656	6,583	7,073
Oregon.....	920	1,549	1,682	1,286	149	47	102	11,077	5,397	5,680
California.....	3,730	5,906	10,887	7,420	455	199	256	59,505	27,076	32,429
Alaska.....	6,681	1,494	970	82	66	16	6	6,047	4,511	1,536
Hawaii.....	1,339	1,024	171	99	18	17	1	6,681	3,283	3,398
Other territorial.....			159	87	9	8	1	8,374	4,604	4,270

<sup>1</sup> L/MF—Low/Medium Frequency; radio navigational aids operating between 200 and 400 kilocycles.

<sup>2</sup> VHF—Very High Frequency; radio navigational aids operating on 108 through 118 megacycles.

<sup>3</sup> Includes gliders.

<sup>4</sup> Includes military. Airport type definitions: Public use—all airports serving scheduled and large irregular air carriers as regular, alternate, and provisional stops; all CAA intermediate landing fields; all airports having a true-light certificate to indicate a lighted airport; and all other airports operationally active. Limited—all airports not qualifying as "public-use."

<sup>5</sup> Includes seaplane bases and heliports.

<sup>6</sup> Cumulative since enactment of Federal Airport Act, May 16, 1946, through Dec. 31, 1956.

Source: Department of Commerce, Civil Aeronautics Administration; CAA Statistical Handbook of Civil Aviation.

No. 738.—PETROLEUM PIPE-LINE COMPANIES—SUMMARY OF SELECTED FINANCIAL DATA: 1925 TO 1955

[In thousands of dollars, except miles of line operated]

YEAR	Miles of line operated	Investment in carrier property	Other investments	Total current assets	Pipe-line operating revenues	Pipe-line operating expenses	Pipe-line operating income	Net income
1925	70,009	511,088	93,896	---	164,645	80,232	70,966	88,495
1930	88,727	772,711	96,184	133,428	237,910	99,363	121,816	129,741
1935	92,037	763,009	119,071	46,949	197,368	89,364	79,586	78,249
1938	95,775	807,657	70,666	34,805	228,211	98,756	95,128	92,724
1939	98,681	829,646	65,124	32,309	212,466	97,130	83,401	80,823
1940	100,156	841,977	64,095	47,163	225,760	101,919	82,558	79,857
1941	105,435	885,317	45,687	56,287	251,685	110,448	81,604	79,468
1942	106,485	918,848	44,525	81,259	245,061	123,507	58,332	56,845
1943	108,783	965,464	39,891	107,501	276,652	148,448	62,620	61,302
1944	111,615	1,000,741	62,767	104,150	310,194	172,368	67,840	65,715
1945	113,351	1,042,523	86,713	115,370	304,268	191,668	67,127	65,941
1946	116,544	1,106,454	69,991	103,819	293,723	183,869	56,485	56,094
1947	119,298	1,225,168	56,455	126,621	325,224	214,682	54,415	53,145
1948	124,092	1,381,402	52,168	168,020	377,034	252,971	58,806	55,679
1949	124,984	1,497,579	78,285	175,458	376,452	249,368	68,282	57,743
1950	128,589	1,655,973	100,798	192,291	441,627	254,701	89,047	81,303
1951	131,457	1,821,880	70,011	232,851	523,973	290,144	91,265	82,006
1952	132,715	2,064,405	107,412	322,677	562,268	310,311	111,053	96,650
1953	133,900	2,311,885	95,970	301,185	591,186	324,935	128,943	109,046
1954	138,962	2,501,330	67,451	315,731	617,463	331,834	149,845	124,409
1955	140,374	2,585,565	80,679	352,762	677,605	346,985	176,257	153,334

Source: Interstate Commerce Commission; annual reports, *Statistics of Oil Pipe-Line Companies*, and, beginning 1954, *Transport Statistics in the United States*, Part 6.

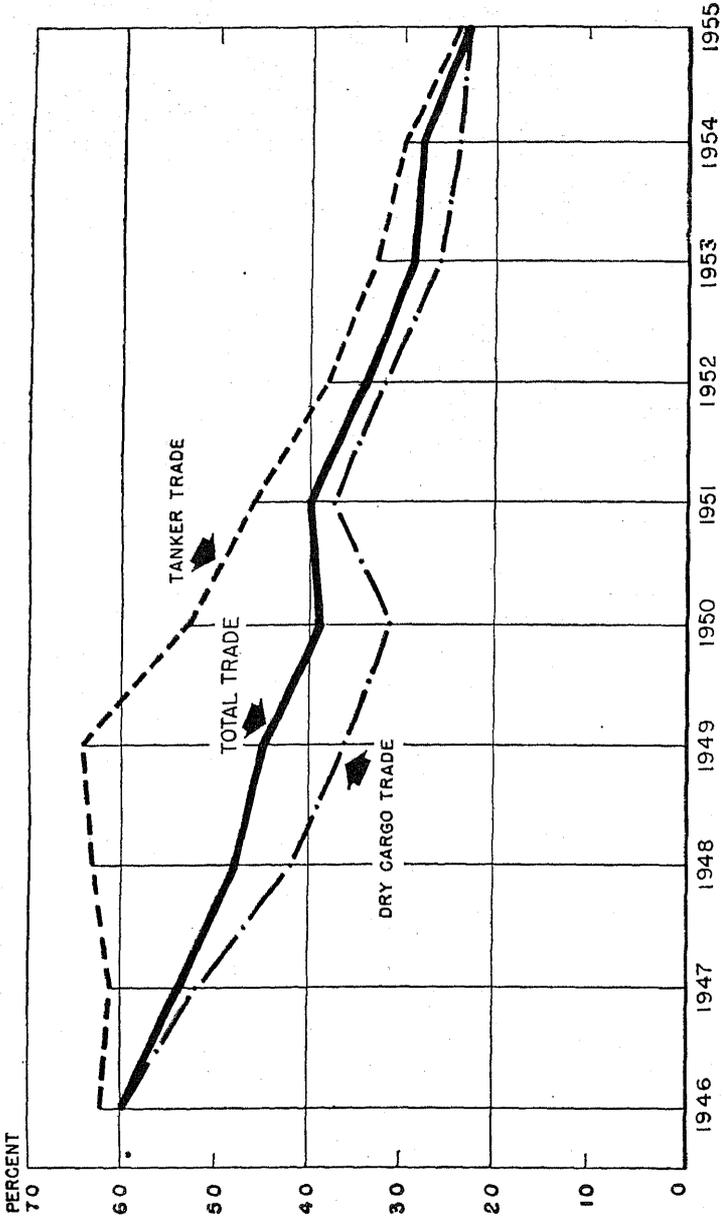
No. 739.—PETROLEUM PIPE LINES—OIL TRANSPORTED: 1945 TO 1955

ITEM	1945	1950	1951	1952	1953	1954	1955
Number of companies	74	76	76	75	78	81	84
Mileage operated	113,351	128,589	131,457	132,715	133,900	138,962	140,374
Gathering lines	43,994	47,593	47,629	48,622	50,030	50,689	50,645
Trunk lines	69,357	80,996	83,828	84,193	83,870	88,273	89,729
Oil transported (1,000,000 bbls.):							
Total received into system	2,379	2,766	3,217	3,383	3,638	3,703	4,058
From connecting carriers, total	937	944	1,098	1,188	1,342	1,372	1,434
Crude oil	859	879	1,035	1,129	1,265	1,265	1,299
Refined oils	78	65	63	59	77	106	134
Originated, total	1,442	1,822	2,119	2,195	2,296	2,331	2,624
Crude oil	1,292	1,525	1,774	1,810	1,861	1,829	2,038
Refined oils	150	297	345	385	435	502	586
Total delivered out of system	2,365	2,740	3,201	3,359	3,627	3,705	4,039
To connecting carriers, total	964	937	1,126	1,198	1,279	1,355	1,444
Crude oil	894	874	1,059	1,135	1,200	1,260	1,329
Refined oils	70	63	67	63	79	95	115
Terminated, total	1,401	1,803	2,075	2,161	2,349	2,349	2,595
Crude oil	1,244	1,510	1,739	1,782	1,919	1,838	1,992
Refined oils	157	293	337	379	430	511	603
Trunk-line movement (1,000,000 bbls.):							
Crude oil	1,721	1,977	2,337	2,455	2,597	2,574	2,781
Refined oils	228	360	405	442	508	607	717
Barrel-miles (trunk-lines):							
Crude oil	430	577	695	715	756	782	839
Refined oils	65	107	122	142	161	183	205

Source: Interstate Commerce Commission; annual reports, *Statistics of Oil Pipe-Line Companies*, and, beginning 1954, *Transport Statistics in the United States*, Part 6.

FIG. XXXIII.—PERCENT OF CARGO TONNAGE CARRIED ON AMERICAN FLAG VESSELS IN THE UNITED STATES EXPORT AND IMPORT TRADE: 1946 TO 1955

[See table 742]



Source: Department of Commerce, Bureau of the Census.

## Section 22

### Waterways, Water Traffic, and Shipping

This section presents statistics concerning water transportation, including inland waterways and ocean-borne commerce, the merchant marine, cargo and vessel tonnages, and shipbuilding. The principal sources of these data are two annual reports issued by the Corps of Engineers of the Department of the Army entitled *Water-borne Commerce of the United States* and the *Annual Report of the Chief of Engineers*; the Bureau of the Census monthly and annual *U. S. Water-Borne Foreign Trade*; and the Bureau of Customs annual *Merchant Marine Statistics*. Data in this field are also presented in the *Annual Report of Commission of Navigation*, issued by the Maritime Administration of the Department of Commerce; *The Bulletin* issued annually by the American Bureau of Shipping; and the *Annual Summary of Merchant Ships Launched in the World* and the *Register Book* published by Lloyd's Register of Shipping of London, England. A basic source for historical data is the Bureau of the Census, *Foreign Commerce and Navigation of the United States*, which was issued annually through 1946.

Data relating to merchandise exports and imports, their classification, dollar values, and countries of origin and destination may be found in section 32, Foreign Commerce.

**Units of measurement.**—Cargo tonnage and shipping weight both represent the gross weight of the cargo including the weight of containers, wrappings, crates, etc. Other tonnage figures generally refer to stowing capacity of vessels, 100 cubic feet being called 1 ton. Gross tonnage comprises the space within the frames and the ceiling of the hull, together with those closed-in spaces above deck available for cargo, stores, passengers, or crew, with certain minor exceptions. Net or registered tonnage is the gross tonnage less the spaces occupied by the propelling machinery, fuel, crew quarters, master's cabin, and navigation spaces. It represents substantially space available for cargo and passengers. The net tonnage capacity of a ship may bear little relation to weight of cargo. Dead-weight tonnage is the weight in long tons required to depress a vessel from light water line (that is, with only the machinery and equipment on board) to load line. It is therefore the weight of the cargo, fuel, etc., which a vessel is designed to carry with safety.

**Vessel shipments, entrances, and clearances.**—Shipments by dry cargo vessels comprise shipments on all types of watercraft except tanker vessels, and shipments by tanker vessels comprise all types of cargo both liquid and dry carried by tanker vessels.

A vessel is reported as entered at the first port in the United States at which entry is made, regardless of whether any cargo is unladen at that port. A vessel is reported as cleared from the last port where outward cargo is completed or where the vessel cleared in ballast. Army and Navy vessels entering or clearing without commercial cargo and vessels touching at a United States port in distress, or for other temporary causes without discharging cargo, are not included in the figures.

**Historical statistics.**—Tabular headnotes (as "See also *Historical Statistics*, series K 132-145") provide cross-references, where applicable, to *Historical Statistics of the United States, 1789-1945*. See preface.

**Note.**—This section presents data for the most recent year or period available on April 29, 1957, when the material was organized and sent to the printer. In a few instances, more recent data were added later.

No. 740.—WATERBORNE COMMERCE OF THE UNITED STATES—CARGO TONNAGE,  
FOREIGN AND DOMESTIC: 1940 TO 1955

[In thousands of short tons. See also *Historical Statistics*, series K 132-145]

CLASS	1940	1945	1950	1952	1953	1954	1955
<b>Foreign commerce, total</b> .....	111,255	172,094	169,225	227,326	217,396	213,844	271,103
Imports, through seaports.....	40,740	44,526	96,299	108,674	120,595	123,503	144,276
Exports, through seaports.....	49,568	100,333	43,640	85,072	63,780	65,244	95,404
Imports, Great Lakes ports.....	4,118	6,511	5,683	7,287	7,387	5,921	8,681
Exports, Great Lakes ports.....	16,829	20,724	23,603	26,293	25,635	19,176	22,742
<b>Domestic commerce, net total</b> <sup>1</sup> .....	496,645	446,812	651,359	660,396	706,151	653,796	745,033
Coastwise, between ports.....	157,027	90,705	182,544	184,207	188,758	187,240	195,718
Great Lakes, between ports.....	141,103	157,900	169,881	154,112	188,621	145,364	184,809
Local traffic of seaports, Great Lakes ports, and communities on inland waterways....	97,632	97,822	106,906	103,972	102,562	102,719	112,863
Traffic between ports and river ports <sup>2</sup> .....	70,217	87,073	190,789	216,644	224,957	217,061	249,693
Traffic between ports of Territories and possessions of the United States <sup>3</sup> .....			1,239	1,460	1,253	1,411	1,951
<b>Net total, foreign and domestic</b> .....	607,900	618,906	820,584	887,722	923,548	867,640	1,016,136

<sup>1</sup> For 1940 and 1945, approximate net total, excluding duplications in domestic traffic.

<sup>2</sup> Represents traffic among ports and communities utilizing inland waterways exclusively

<sup>3</sup> Included in other types of domestic traffic prior to 1950.

Source: Department of the Army, Corps of Engineers, *Annual Report of Chief of Engineers*, Part II; and *Waterborne Commerce of the United States*.

No. 741.—UNITED STATES RECEIPTS AND PAYMENTS FOR INTERNATIONAL TRANSPORTATION: 1947 TO 1956

[In millions of dollars. Data are international transportation transactions recorded for balance of payments purposes (see table 1112). Receipts include freight on exports carried by U. S. operated carriers and foreign carrier expenditures in U. S. ports. Payments include freight on imports carried by foreign carriers and U. S. carrier port expenditures abroad. Freight on exports carried by foreign carriers is excluded since such payments are directly or indirectly for foreign account. Similarly, freight on U. S. imports carried by U. S. carriers is a domestic rather than an international transaction]

ITEM	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956 (prel.)
<b>Total receipts</b> .....	1,738	1,317	1,238	1,033	1,556	1,488	1,198	1,171	1,336	1,599
Ocean shipping.....	1,593	1,163	1,074	859	1,330	1,242	971	943	1,076	1,295
Export freight earnings.....	961	531	455	347	657	524	350	343	407	506
Coal.....	257	83	52	1	129	73	9	6	26	29
Grain.....	67	44	38	23	142	57	21	21	44	87
Other dry cargo.....	608	389	353	311	358	373	302	304	325	382
Tanker.....	29	15	12	12	28	21	18	12	12	17
Military-controlled export freight earnings <sup>1</sup> .....	193	205	181	33	21	26	17	4	1	-----
Freight earnings on shipments between foreign countries.....	100	112	100	110	201	175	103	98	99	124
Passenger fares.....	39	35	21	20	18	24	21	24	23	24
Port expenditures.....	281	268	291	313	411	462	465	469	540	624
Charter hire.....	19	12	26	36	22	31	15	5	6	17
Other transportation.....	145	154	164	174	226	246	227	228	260	304
<b>Total payments</b> .....	533	646	701	818	973	1,115	1,081	1,026	1,202	1,437
Ocean shipping.....	456	501	549	643	787	911	864	805	947	1,147
Import freight payments.....	141	193	214	295	384	428	423	369	490	643
Dry cargo.....	133	175	191	255	279	318	311	288	373	476
Tanker.....	8	18	23	40	105	110	112	81	117	167
Passenger fares.....	47	63	90	121	102	133	134	130	138	153
Port expenditures.....	231	198	177	138	183	190	142	141	153	168
Charter hire.....	37	47	68	89	118	160	165	165	166	183
Other transportation.....	127	145	152	175	186	204	217	221	255	290
<b>Receipts balance</b> .....	1,155	671	537	215	583	373	117	145	134	162

<sup>1</sup> Represents freight on economic aid only. Freight on military end items not included.

Source: Department of Commerce, Office of Business Economics; *Balance of Payments of the United States, 1919-1953*, a supplement to the *Survey of Current Business*; *Survey of Current Business*, June 1956, and records.

No. 742.—WATERBORNE IMPORTS AND EXPORTS—CARGO TONNAGE, BY FLAG OF CARRIER VESSEL: 1921 TO 1956

[In cargo tons of 2,240 pounds. Excludes cargoes (small in aggregate) carried by ships of less than 100 tons gross capacity prior to 1945. Beginning 1946, excludes U. S. Army and Navy cargo, and includes Alaska, Hawaii, and Puerto Rico. Beginning July 1950, excludes commodities classified for security reasons as "special category." From July 1953 through December 1955 and beginning July 1956, exports exclude shipments under \$500 in value regardless of shipping weight; for January through June 1956, exclude those under \$1,000 regardless of shipping weight. Beginning 1951, imports exclude shipments under 2,000 pounds shipping weight]

YEAR AND DISTRICT	IMPORTS BY FLAG OF CARRIER VESSELS				EXPORTS BY FLAG OF CARRIER VESSELS			
	Total	U. S.	Foreign	Percent U. S.	Total	U. S.	Foreign	Percent U. S.
<b>TOTAL</b>								
1921	33,184,790	23,454,831	9,729,959	70.7	48,644,044	18,557,464	30,082,580	38.2
1925	43,135,154	21,214,626	21,920,528	49.2	49,666,499	15,716,692	33,949,807	31.6
1930	47,562,416	24,822,560	22,739,586	52.2	49,730,870	14,913,598	34,817,272	30.0
1935	33,965,678	14,125,363	19,840,315	41.6	38,145,865	8,740,017	29,405,848	22.9
1940	39,881,161	15,465,891	24,415,270	38.8	54,401,306	11,553,124	42,848,182	21.2
1945 <sup>1</sup>	35,202,000	28,049,000	7,153,000	79.7	55,003,000	33,687,000	21,316,000	61.2
1946	43,914,094	28,874,571	15,039,523	65.8	77,716,542	44,463,070	33,253,472	57.2
1947	52,860,000	33,645,000	19,215,000	63.6	110,997,000	54,520,000	56,477,000	49.1
1948	60,192,997	36,185,590	24,007,407	60.1	78,849,620	30,804,047	48,044,973	39.1
1949	69,081,139	36,932,206	32,148,933	53.5	64,164,776	23,335,624	40,829,152	36.4
1950	86,342,305	37,739,650	48,602,655	43.7	56,969,164	18,195,757	37,773,407	32.5
1951	89,823,763	38,245,983	51,577,780	42.6	103,294,219	38,599,961	64,694,258	37.4
1952	95,911,613	37,216,976	58,694,637	38.8	92,006,739	27,158,232	64,848,507	29.5
1953	106,252,523	34,346,074	71,906,449	32.3	71,918,898	17,364,676	54,554,222	24.1
1954	107,754,840	32,402,594	75,352,246	30.1	69,801,620	16,408,974	53,392,646	23.5
1955	126,003,073	33,400,534	92,602,519	26.5	100,397,043	10,177,383	80,679,660	19.6
1956	142,385,844	35,173,145	107,212,699	24.7	129,245,574	24,378,176	104,867,398	18.9
<b>DRY CARGO</b>								
1945 <sup>1</sup>	19,389,000	15,226,000	4,163,000	78.5	36,935,000	24,707,000	12,228,000	66.9
1950	41,616,924	13,234,760	28,382,164	31.8	47,837,917	14,669,123	33,168,794	30.7
1951	44,690,068	15,885,924	28,804,144	35.5	90,385,540	34,255,468	56,130,081	37.9
1952	44,971,513	10,593,355	34,378,158	36.8	79,225,654	23,459,411	55,766,243	29.6
1953	51,162,486	15,357,618	35,804,868	30.0	59,949,267	14,292,665	45,656,602	23.8
1954	51,239,512	14,788,793	36,500,719	28.8	60,137,132	14,103,310	46,033,822	23.5
1955	61,104,513	17,327,594	43,776,919	29.0	89,789,365	17,593,397	72,195,971	19.6
1956	71,025,782	18,790,026	52,235,756	26.5	114,629,311	21,503,252	93,126,060	18.8
<b>TANKER CARGO</b>								
1945 <sup>1</sup>	15,813,000	12,823,000	2,990,000	81.1	18,068,000	8,980,000	9,088,000	49.7
1950	44,725,381	24,504,890	20,220,491	54.8	8,131,247	3,526,634	4,604,613	43.4
1951	45,133,695	22,360,059	22,773,636	49.5	12,908,670	4,344,493	8,564,177	33.7
1952	50,940,100	20,683,621	30,256,479	40.6	12,781,085	3,698,821	9,082,264	28.0
1953	53,090,037	18,988,456	36,101,581	34.5	11,969,631	3,072,011	8,897,620	25.7
1954	56,515,328	17,663,801	38,851,527	31.3	9,664,488	2,305,664	7,358,824	23.9
1955	64,898,561	15,672,960	49,225,601	24.1	10,607,675	2,123,986	8,483,689	20.0
1956	71,360,062	16,383,119	54,976,943	23.0	14,616,262	2,874,924	11,741,338	19.7

<sup>1</sup> Excludes U. S. Army and Navy cargo, and Great Lakes.

No. 743.—WATERBORNE IMPORTS AND EXPORTS—CARGO TONNAGE, BY COASTAL DISTRICT: 1945 TO 1956

[In cargo tons of 2,240 pounds. See headnote, table 742]

DISTRICT	1945	1950	1952	1953	1954	1955	1956
<b>IMPORTS</b>							
Atlantic ports	27,454,000	67,912,822	73,550,058	79,117,487	80,930,065	94,633,527	103,363,156
Gulf ports	5,067,000	9,759,324	10,744,107	12,279,868	14,630,397	15,486,403	17,758,667
Pacific ports	2,681,000	3,656,037	5,265,625	8,092,398	6,910,174	8,069,839	11,649,532
Great Lakes ports		5,014,122	6,351,823	6,762,770	5,284,204	7,813,303	9,614,488
<b>EXPORTS</b>							
Atlantic ports	35,365,000	13,596,490	37,785,393	24,328,247	27,125,292	48,906,215	64,954,242
Gulf ports	13,158,000	15,016,177	21,176,096	17,793,004	16,597,637	20,004,395	28,132,255
Pacific ports	6,480,000	6,490,791	12,287,586	10,055,426	9,479,362	11,885,163	14,101,070
Great Lakes ports		20,865,706	20,757,664	19,742,221	16,599,325	19,601,271	22,088,007

Source of tables 742 and 743: Department of Commerce, Bureau of the Census; *Foreign Commerce and Navigation of the United States*, releases and records.

**NO. 744.—WATERBORNE IMPORTS—SHIPPING WEIGHT ON DRY-CARGO AND TANKER  
VESSELS, BY TRADE AREA: 1954 TO 1956**

[In millions of pounds. Represents general imports. For statistical procedures, see *Quarterly Summary of Foreign Commerce of the United States*, June 1957. See 1951 Abstract, table 641, for latest data available by countries]

TRADE AREA	1954			1955			1956		
	Total	On U. S. vessels	Per cent U. S.	Total	On U. S. vessels	Per cent U. S.	Total	On U. S. vessels	Per cent U. S.
<b>DRY CARGO</b>									
Trade area, total.....	114,776.5	33,014.9	28.8	136,874.1	39,709.8	29.0	159,097.8	42,089.7	26.5
Foreign except Canadian.....	86,549.5	26,650.0	30.8	93,188.2	26,783.4	28.7	107,415.6	29,447.2	27.4
Caribbean.....	33,980.4	10,304.4	30.3	38,564.6	9,484.3	24.6	46,312.6	11,059.5	23.9
East Coast South America.....	3,626.4	1,209.6	33.4	4,921.4	1,235.7	25.1	5,890.7	1,795.1	30.5
West Coast South America.....	12,745.0	5,220.0	41.0	10,438.2	4,861.1	46.6	12,125.6	4,416.0	36.4
West Coast Central America and Mexico.....	1,965.3	1,599.2	81.4	2,211.2	1,360.9	61.5	2,074.3	914.4	44.1
Gulf Coast Mexico.....	697.1	57.9	8.3	811.7	48.3	6.0	1,123.4	297.1	26.4
United Kingdom and Eire.....	1,430.4	396.0	27.7	1,711.5	527.6	30.8	1,835.2	546.3	29.8
Baltic, Scandinavia, Iceland and Greenland.....	5,412.4	380.8	7.0	5,044.9	594.0	11.8	4,710.9	312.4	6.6
Bayonne-Hamburg Range.....	5,469.7	860.6	15.7	6,032.3	933.5	15.5	7,179.5	1,241.8	17.3
Portugal and Spanish Atlantic, Azores, Mediterranean, and Black Sea.....	2,654.0	699.3	26.3	3,073.6	1,131.3	36.8	3,863.2	1,241.4	32.1
West Coast Africa.....	4,174.7	503.4	12.1	4,391.7	539.4	12.3	5,419.9	675.5	12.5
South and East Africa.....	2,501.5	1,508.0	60.3	2,863.6	1,787.3	62.4	3,159.7	1,961.1	62.1
Australasia.....	681.9	238.3	34.9	777.5	281.7	36.2	998.7	416.8	41.7
India, Persian Gulf, and Red Sea.....	3,655.0	1,263.3	34.6	3,705.2	1,062.4	28.7	3,549.5	1,302.3	36.7
Malaya and Indonesia.....	1,373.2	512.6	37.2	1,416.2	542.9	38.3	1,349.1	551.0	40.8
South China, Formosa, and Philippines.....	4,811.3	1,880.1	28.7	5,152.8	1,635.2	31.7	5,538.1	1,885.8	34.1
North China, including Shanghai and Japan.....	936.5	393.5	42.0	1,590.1	619.8	39.0	1,794.0	703.0	39.2
Canadian.....	28,227.2	6,364.9	22.5	43,685.9	12,926.4	29.6	51,682.2	12,642.4	24.5
Pacific Canada.....	4,840.5	1,158.1	23.9	4,950.0	1,127.4	22.8	4,780.5	1,251.0	26.2
Great Lakes Canada.....	10,177.9	2,997.4	29.5	13,233.5	4,168.1	31.5	15,371.4	4,506.6	29.3
Atlantic Canada and Newfoundland.....	13,208.8	2,209.4	16.7	25,502.4	7,630.8	29.9	31,530.4	6,884.8	21.8
<b>TANKER CARGO</b>									
Trade area, total.....	126,594.3	39,566.9	31.3	145,372.8	35,107.4	24.1	159,846.5	36,698.2	23.0
Foreign except Canadian.....	126,544.8	39,530.0	31.2	145,119.2	34,974.0	24.1	157,564.0	34,502.2	21.9
Caribbean.....	89,665.1	34,357.2	38.3	101,074.3	30,367.4	30.0	112,746.7	30,053.3	26.7
East Coast South America.....	(1)	(1)	100.0	6.6	0.9	0.9	0.9	0.9	100.0
West Coast South America.....	266.4	.....	.....	398.0	36.1	9.1	273.3	35.6	13.0
West Coast Central America and Mexico.....	227.4	114.3	50.3	128.9	.....	.....	179.3	15.7	8.8
Gulf Coast Mexico.....	7,029.2	2,818.4	40.1	7,901.4	1,961.1	24.8	7,634.7	1,747.7	22.9
United Kingdom and Eire.....	374.4	.....	.....	265.0	.....	.....	202.9	.....	.....
Baltic, Scandinavia, Iceland, and Greenland.....	28.2	.....	.....	114.5	.....	.....	136.2	.....	.....
Bayonne-Hamburg Range.....	465.9	20.8	4.5	442.8	16.4	3.7	628.5	54.8	8.7
Portugal and Spanish Atlantic, Azores, Mediterranean, and Black Sea.....	8,467.9	.....	.....	10,087.1	165.3	1.6	10,149.3	359.7	3.5
West Coast Africa.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
South and East Africa.....	61.9	0.4	0.6	25.4	25.4	100.0	19.7	.....	.....
Australasia.....	.....	.....	.....	.....	.....	.....	20.7	.....	.....
India, Persian Gulf, and Red Sea.....	15,616.0	2,122.1	13.6	20,887.8	2,131.4	10.2	21,591.8	2,132.0	9.9
Malaya and Indonesia.....	4,142.9	33.1	0.8	3,573.7	205.8	5.8	3,943.6	103.4	2.6
South China, Formosa, and Philippines.....	194.1	58.1	29.9	196.5	65.0	33.1	13.4	.....	.....
North China, including Shanghai and Japan.....	5.5	5.5	100.0	17.3	.....	.....	23.0	.....	.....
Canadian.....	49.3	36.9	74.8	253.6	133.4	52.6	2,282.3	2,196.0	96.2
Pacific Canada.....	3.2	0.8	25.0	11.4	10.7	93.9	1,996.4	1,995.1	99.9
Great Lakes Canada.....	45.0	36.2	80.4	202.7	122.8	60.6	273.1	200.2	73.3
Atlantic Canada and Newfoundland.....	1.1	.....	.....	39.6	.....	.....	12.8	0.7	5.5

<sup>1</sup> Less than 50,000 pounds.

Source: Department of Commerce, Bureau of the Census; current summary reports, FT 985, *U. S. Water-Borne Foreign Trade*.

No. 745.—WATERBORNE EXPORTS—SHIPPING WEIGHT ON DRY-CARGO AND TANKER VESSELS, BY TRADE AREA: 1954 TO 1956

[In millions of pounds. Covers domestic and foreign merchandise. For statistical procedures, see Quarterly Summary of Foreign Commerce of the United States, June 1957. See 1951 Abstract, table 641, for latest data available by countries]

TRADE AREA	1954			1955			1956		
	Total	On U. S. vessels	Percent U. S.	Total	On U. S. vessels	Percent U. S.	Total	On U. S. vessels	Percent U. S.
<b>DRY CARGO</b>									
Trade area, total.....	134,707.2	31,591.4	23.5	201,128.2	39,409.2	19.6	253,888.8	48,167.3	18.6
Foreign except Canadian.....	97,309.3	22,050.4	22.7	157,203.7	29,675.9	18.9	208,917.8	35,406.3	16.9
Caribbean.....	7,284.1	2,080.1	28.6	7,873.6	2,310.2	29.3	9,532.7	2,416.9	25.4
East Coast South America.....	5,935.3	1,397.9	23.6	5,448.1	1,152.1	21.1	9,258.1	1,915.1	20.7
West Coast South America.....	2,246.9	858.6	38.2	2,598.2	1,069.6	41.2	3,388.6	1,308.5	38.6
West Coast Central America and Mexico.....	499.2	156.3	31.3	732.4	224.3	30.6	740.8	202.7	27.4
Gulf Coast Mexico.....	616.8	48.6	7.9	464.2	5.5	1.2	726.6	1.6	0.2
United Kingdom and Eire.....	8,322.5	1,023.8	19.5	21,110.0	3,039.9	14.4	15,861.8	2,216.9	14.0
Baltic, Scandinavia, Iceland, and Greenland.....	3,662.1	414.5	11.3	6,954.0	975.4	14.0	8,227.1	906.5	11.0
Bayonne-Hamburg Range.....	21,961.4	3,162.9	14.4	49,042.7	4,521.4	9.2	80,407.1	7,249.0	9.0
Portugal and Spanish Atlantic.....	1,371.1	326.5	23.8	1,139.9	435.7	38.2	2,071.1	465.3	22.5
Azores, Mediterranean, and Black Sea.....	18,479.9	4,269.8	23.1	29,520.4	5,565.3	18.9	36,238.4	5,453.6	15.0
West Coast Africa.....	743.1	291.8	39.3	1,097.8	331.2	30.2	1,486.6	540.9	36.4
South and East Africa.....	1,920.3	958.4	49.9	1,711.6	916.1	53.5	1,520.2	861.6	56.7
Australasia.....	1,870.4	330.4	17.7	1,871.4	298.3	15.9	1,592.5	283.8	17.8
India, Persian Gulf, and Red Sea.....	1,643.3	572.9	34.9	2,610.6	1,119.7	42.9	5,549.8	1,841.4	33.2
Malaya and Indonesia.....	496.7	211.7	42.6	612.2	215.5	35.2	1,387.0	588.4	42.4
South China, Formosa, and Philippines.....	2,971.6	1,373.7	46.2	3,244.0	1,704.0	52.5	3,947.8	1,997.9	50.6
North China, including Shanghai and Japan.....	17,284.5	3,972.5	23.0	21,172.6	5,791.8	27.4	26,981.7	7,156.3	26.5
Canadian.....	37,397.9	9,541.0	25.5	43,924.5	9,733.3	22.2	49,971.0	12,761.1	25.5
Pacific Canada.....	669.4	224.4	33.5	826.8	286.3	34.6	860.9	280.3	32.6
Great Lakes Canada.....	34,502.4	9,293.4	26.9	40,893.4	9,431.7	23.1	46,875.4	12,426.1	26.5
Atlantic Canada and Newfoundland.....	2,226.1	23.2	1.0	2,204.2	15.4	0.7	2,234.7	54.7	2.4
<b>TANKER CARGO</b>									
Trade area, total.....	21,648.5	5,164.7	23.9	23,761.2	4,757.7	20.0	32,740.4	6,439.8	19.7
Foreign except Canadian.....	15,071.7	2,102.7	14.0	18,457.9	1,903.1	10.3	27,847.3	2,872.4	10.3
Caribbean.....	2,483.1	896.8	36.1	2,956.4	928.6	31.4	3,583.0	1,061.4	29.6
East Coast South America.....	550.4	87.0	15.8	831.0	56.5	6.8	927.3	150.6	16.2
West Coast South America.....	694.4	156.4	22.5	851.5	167.9	19.7	314.8	32.3	10.3
West Coast Central America and Mexico.....	1,763.2	300.9	17.1	2,150.7	195.2	9.1	1,846.5	79.2	4.3
Gulf Coast Mexico.....	77.4	5.7	7.4	37.3	5.4	14.5	168.9	4.0	2.4
United Kingdom and Eire.....	2,751.2	26.3	1.0	3,037.7	32.8	1.1	5,231.3	-----	-----
Baltic, Scandinavia, Iceland, and Greenland.....	188.3	-----	-----	312.9	16.6	5.3	867.7	22.7	2.6
Bayonne-Hamburg Range.....	2,012.9	349.1	17.3	3,744.8	338.9	9.0	9,145.2	1,079.9	11.8
Portugal and Spanish Atlantic.....	141.3	-----	-----	64.2	14.6	22.7	146.1	-----	-----
Azores, Mediterranean, and Black Sea.....	348.3	56.4	16.2	268.7	4.5	1.7	1,867.6	202.8	10.9
West Coast Africa.....	175.4	35.8	20.4	47.6	17.5	36.8	307.3	18.5	6.0
South and East Africa.....	71.1	-----	-----	47.9	-----	-----	29.7	-----	-----
Australasia.....	278.5	17.0	6.1	164.1	36.7	22.4	133.4	-----	-----
India, Persian Gulf, and Red Sea.....	696.1	104.1	15.0	42.6	-----	-----	132.3	129.3	97.7
Malaya and Indonesia.....	58.2	-----	-----	92.2	-----	-----	35.1	-----	-----
South China, Formosa, and Philippines.....	56.0	-----	-----	95.8	-----	-----	58.1	-----	-----
North China, including Shanghai and Japan.....	2,725.9	67.2	2.5	3,712.5	88.0	2.4	3,053.1	91.6	3.0
Canadian.....	6,576.5	3,062.0	46.6	5,303.1	2,854.7	53.8	4,892.9	3,567.4	72.9
Pacific Canada.....	2,282.3	1,566.7	68.6	1,653.7	1,268.6	76.7	1,906.3	1,521.1	79.8
Great Lakes Canada.....	3,228.2	1,117.1	34.6	2,965.0	1,875.5	46.4	2,605.1	1,915.2	73.5
Atlantic Canada and Newfoundland.....	1,065.9	378.2	35.5	684.3	210.6	30.8	381.5	131.1	34.4

Source: Department of Commerce, Bureau of the Census; current summary reports, FT 985, U. S. Water-Borne Foreign Trade.

## No. 746.—WATERBORNE IMPORTS AND EXPORTS—VALUE OF TRADE, BY COASTAL DISTRICT: 1953 TO 1955

[In millions of dollars]

TYPE OF VESSEL AND COASTAL DISTRICT	TOTAL TRADE			EXPORTS			IMPORTS		
	1953	1954	1955	1953	1954	1955	1953	1954	1955
<b>Total</b> .....	16,150	16,204	17,810	7,853	8,539	9,459	8,297	7,665	8,951
Atlantic.....	10,921	10,747	12,132	4,835	5,162	5,979	6,086	5,585	6,153
Dry cargo.....	10,174	9,913	11,164	4,782	5,096	5,907	5,392	4,817	5,257
Tanker.....	747	835	970	53	67	73	694	768	897
Gulf.....	2,892	3,064	3,091	1,802	2,004	2,034	1,090	1,060	1,057
Dry cargo.....	2,658	2,828	2,842	1,614	1,813	1,840	1,044	1,012	1,002
Tanker.....	234	240	250	188	191	195	46	40	55
Pacific.....	1,732	1,842	2,011	931	1,075	1,128	781	767	883
Dry cargo.....	1,566	1,717	1,859	842	995	1,040	724	722	819
Tanker.....	146	126	152	89	81	88	57	45	64
Great Lakes.....	625	550	576	285	298	318	340	252	258
Dry cargo.....	599	529	551	260	277	296	330	252	255
Tanker.....	26	22	25	26	21	22	(1)	1	3

(1) Less than \$500,000.

## No. 747.—WATERBORNE IMPORTS AND EXPORTS—SHIPPING WEIGHT OF PRINCIPAL COMMODITIES IN OCEANBORNE TRADE: 1954 AND 1955

[In thousands of long tons. Exports exclude shipments of under \$500 in value; imports exclude shipments of under 2,000 pounds shipping weight. "N. e. c." means not elsewhere classified]

COMMODITY	EXPORTS		COMMODITY	IMPORTS	
	1954	1955		1954	1955
Bituminous coal.....	13,527	30,505	Crude petroleum.....	32,743	37,948
Wheat.....	5,107	5,879	Residual fuel oil.....	19,138	21,973
Residual fuel oil.....	2,788	3,911	Iron ore and concentrates.....	13,573	18,720
Iron and steel scrap.....	1,412	3,905	Aluminum ores and concentrates.....	4,943	5,336
Iron and steel mill products.....	1,939	3,108	Sugar.....	3,339	3,530
Corn.....	1,488	2,603	Gypsum or plaster rock.....	2,971	3,487
Gas oil and distillate fuel oil.....	2,436	2,288	Manganese.....	2,089	2,147
Phosphate fertilizer material.....	2,375	2,173	Molasses, inedible.....	1,929	2,145
Barley and rye.....	454	1,624	Chrome.....	1,314	1,652
Soybeans.....	967	1,605	Bananas.....	1,480	1,463
Other grains.....	435	1,570	Standard newsprint paper.....	1,147	1,193
Sulphur.....	1,630	1,548	Coffee.....	1,018	1,175
Lubricating oils and greases.....	1,240	1,217	Petroleum products, n. e. c.....	1,236	955
Wheat flour.....	712	900	Pulpwood.....	606	940
Industrial chemicals, n. e. c.....	818	799	Nitrogenous fertilizer.....	1,265	897
Lumber and shingles.....	678	728	Iron and steel mill products.....	811	847
Animal feeds, n. e. c.....	332	600	Lumber and shingles.....	764	724
Crude petroleum.....	937	671	Gas oil and distillate fuel oil.....	630	705
Anthracite coal.....	359	644	Crude rubber.....	644	697
Inedible animal products, n. e. c.....	587	614	Building cement.....	61	645

Source of tables 746 and 747: Department of Commerce, Bureau of the Census, *United States Foreign Water-Borne Commerce, A Review of 1955*.

## No. 748.—COMMERCE OF SELECTED GREAT LAKES PORTS: 1950 TO 1955

[In thousands of short tons (cargo). Comprises foreign, lakewise, and coastwise shipping]

PORT	RECEIPTS				SHIPMENTS			
	1950	1953	1954	1955	1950	1953	1954	1955
<b>Total</b> .....	175,637	196,117	151,412	193,591	193,511	214,265	164,572	207,588
Alpena Harbor, Mich.....	442	507	581	672	2,352	2,600	2,491	2,325
Ashland Harbor, Wis.....	685	430	450	451	5,422	3,699	3,999	4,527
Ashtabula, Ohio.....	10,447	11,994	5,262	9,455	3,302	3,191	2,969	3,586
Buffalo, N. Y.....	16,458	18,206	15,875	19,318	2,417	2,496	1,873	2,436
Chicago, Ill., Port of.....	15,813	17,319	11,786	16,872	4,093	5,140	5,744	6,349
Cleveland, Ohio.....	17,375	22,617	14,771	19,744	382	458	349	358
Conneaut Harbor, Ohio.....	9,562	15,081	9,327	14,139	2,522	976	806	994
Detroit, Mich.....	21,090	23,381	18,940	24,295	1,208	1,292	1,591	1,626
Duluth-Superior, Minn. and Wis.....	10,117	6,817	6,175	7,142	53,009	70,405	42,929	61,156
Eric Harbor, Pa.....	4,340	4,978	2,570	4,285	2,276	2,111	2,462	2,307
Green Bay, Wis.....	3,244	3,132	3,170	3,149	8	21	16	32
Indiana Harbor, Ind.....	10,355	12,530	11,129	13,695	5,182	7,269	5,863	6,386
Lorain Harbor, Ohio.....	8,153	8,866	5,211	5,563	3,264	2,704	2,219	2,258
Ludington, Mich <sup>1</sup> .....	1,681	1,883	1,979	2,274	1,726	1,289	1,250	1,329
Milwaukee Harbor, Wis <sup>1</sup> .....	7,357	6,796	6,410	7,157	1,421	1,357	1,364	1,532
Muskegon Harbor, Mich <sup>1</sup> .....	2,124	2,448	2,193	2,431	1,220	1,091	945	1,362
Presque Isle Harbor, Mich.....		3			3,850	5,158	3,479	5,702
Sandusky Harbor, Ohio.....	1	2	2	1	9,822	8,412	8,062	7,961
Toledo Harbor, Ohio.....	4,640	5,003	4,095	6,504	29,307	26,186	23,042	25,710
Two Harbors (Agate Bay), Minn.....	216	207	84	99	18,948	23,420	14,224	19,004
All other.....	31,537	33,917	31,402	36,345	41,690	44,990	38,895	47,648

<sup>1</sup> Includes lakewise car ferry traffic.Source: Department of the Army, Corps of Engineers; *Annual Report of Chief of Engineers, Part 2*; and *Water-borne Commerce of the United States*.

No. 749.—COMMERCE OF SELECTED UNITED STATES PORTS: 1955

[In thousands of short tons (cargo). Excludes Great Lakes. In addition to commerce here shown, many ports have (a) commerce with ports on internal rivers and canals; (b) purely local port traffic]

PORT	Im-ports	Ex-ports	COASTWISE		PORT	Im-ports	Ex-ports	COASTWISE	
			Re-ceipts	Ship-ments				Re-ceipts	Ship-ments
<b>Total</b> .....	144,276	95,404	195,616	195,670	<b>GULF COAST PORTS</b>				
<b>ATLANTIC COAST PORTS</b>					Charlotte Harbor, Fla. ....		154		780
Portland Harbor, Maine. ....	10,728	160	2,853	412	Tampa Harbor, Fla. ....	733	2,247	4,579	1,492
Portsmouth Harbor, N. H. ....	472	(?)	734	(?)	Port St. Joe Harbor, Fla. ....	9	4	1,879	7
Salem Harbor, Mass. ....	239	(?)	885		Panama City Harbor, Fla. ....	83	32	321	108
Boston, Mass. ....	5,136	566	11,068	949	Pensacola Harbor, Fla. ....	53	140	2	22
New Bedford and Fairhaven Harbor, Mass. ....	42	(?)	167	12	Mobile Harbor, Ala. ....	5,433	1,505	625	1,238
Fall River Harbor, Mass. ....	448	(?)	1,446	48	New Orleans, La. ....	4,023	7,194	808	8,877
Providence River and Harbor, R. I. ....	958	73	5,840	459	Baton Rouge, La. ....	2,273	1,053	387	5,988
New London Harbor, Conn. ....	321		447	263	Lake Charles, La. <sup>3</sup> .....	107	742	210	7,065
New Haven Harbor, Conn. ....	781	2	5,061	1,189	Galveston, Tex. ....	303	3,213	51	1,312
Bridgeport Harbor, Conn. ....	263	121	1,803	445	Texas City, Tex. ....	11	398	473	8,460
Norwalk Harbor, Conn. ....			306		Houston, Tex. ....	2,492	4,154	770	21,994
Stamford Harbor, Conn. ....			796	25	Corpus Christi, Tex. ....	1,583	980	139	9,746
New York Harbor, N. Y. ....	30,274	8,624	42,320	10,375	Port Aransas, Tex. ....		433		8,197
Hempstead Harbor, N. Y. ....			2,183	3,298	Freeport, Tex. ....	19	433	10	2,035
Huntington Harbor, N. Y. ....			298	2	Brazos Island Harbor, Tex. ....	207	444	64	593
Port Jefferson Harbor, N. Y. ....			696	215	Beaumont, Tex. ....	41	430	1,650	17,053
Albany, N. Y. ....	330	939	3,710	23	Port Arthur, Tex. ....		1,504	2,426	15,232
Northport Bay and Harbor, N. Y. ....			21	2,729	<b>PACIFIC COAST PORTS</b>				
Delaware River and tributaries. ....	36,151	3,611	23,284	7,071	San Diego Harbor, Calif. ....	56	93	1,511	(?)
Baltimore Harbor and Channels, Md. ....	17,416	8,318	7,278	1,688	Long Beach Harbor, Calif. ....	789	2,277	789	2,741
Norfolk Harbor, Va. ....	3,050	16,289	5,484	4,580	Los Angeles Harbor, Calif. ....	1,731	3,155	6,013	7,716
Newport News, Va. ....	1,377	15,172	50	3,456	San Francisco Bay Area, Calif. ....	3,588	2,718	11,575	11,144
Morehead City Harbor, N. C. ....	129	6	164	18	Crescent City Harbor, Calif. ....			196	209
Wilmington Harbor, N. C. ....	354	211	2,806	13	Humboldt Harbor and Bay, Calif. ....	1	62	252	137
Charleston Harbor, S. C. ....	1,333	413	1,998	157	Stockton, Calif. ....	70	580	35	337
Savannah Harbor, Ga. ....	1,808	519	1,457	231	Coos Bay, Oreg. ....	(?)	285	185	791
Jacksonville Harbor, Fla. ....	1,442	319	2,868	63	Portland, Oreg. ....	150	1,258	6,653	475
Palm Beach Harbor, Fla. ....	361	238	102		Astoria, Oreg. ....	11	108	95	1
Port Everglades Harbor, Fla. ....	621	181	2,083	126	Vancouver, Wash. ....	14	590	2	172
Miami Harbor, Fla. ....	333	80	931	25	Longview, Wash. ....	74	570	227	161
San Juan Harbor, P. R. ....	1,010	55	1,523	572	Tacoma Harbor, Wash. ....	440	817	776	156
Mayaguez Harbor, P. R. ....	64	28	170	193	Seattle Harbor, Wash. ....	659	698	5,125	649
Ponce Harbor, P. R. ....	152	50	232	315	Bellingham Bay and Harbor, Wash. ....	687	57	27	73
					Port Angeles Harbor, Wash. ....	64	77	134	80
					Seward Harbor, Alaska. ....	1		454	17
					Honolulu Harbor, T. H. ....	83	51	2,014	751
					Kahului Harbor, Maui, T. H. ....	2	8	146	427
					Hilo Harbor, T. H. ....	16	2	245	463
					Nawiliwili Harbor, T. H. ....	7	5	54	287

<sup>1</sup> Includes data for ports not shown separately.

<sup>2</sup> Less than 500 tons.

<sup>3</sup> Includes Calcasieu River and Pass.

Source: Department of the Army, Corps of Engineers; *Waterborne Commerce of the United States*.

## No. 750.—FREIGHT CARRIED ON INLAND WATERWAYS, BY SYSTEM: 1940 TO 1955

[In thousands of ton-miles]

SYSTEM	1940	1945	1950	1953 <sup>1</sup>	1954 <sup>1</sup>	1955
<b>Total</b> .....	<b>118,056,969</b>	<b>142,737,242</b>	<b>163,343,977</b>	<b>202,439,332</b>	<b>173,678,726</b>	<b>216,507,665</b>
Atlantic coast rivers.....	1,853,685	1,036,083	6,497,249	13,138,311	23,091,189	27,042,335
Gulf coast rivers.....	593,451	345,458	1,228,645	4,242,101	12,470,509	13,860,378
Pacific coast rivers.....	1,228,652	1,553,230	1,686,494	4,533,243	4,317,574	4,735,991
Mississippi River System <sup>2</sup> .....	13,934,427	19,595,193	33,597,816	42,357,919	42,609,492	52,019,333
Other waterways.....	9,524	9,277	7,720	( <sup>3</sup> )	6,075	4,530
Canals and connecting channels <sup>4</sup> .....	4,787,222	7,167,905	8,638,713	10,784,685		
Great Lakes system.....	95,645,008	113,023,096	111,687,340	127,383,073	91,174,887	118,845,098

<sup>1</sup> Coverage increased approximately 3 percent for 1953 and 4 percent for 1954.<sup>2</sup> Comprises main channels and all tributaries of the Mississippi, Illinois, Missouri, and Ohio Rivers.<sup>3</sup> Included in Great Lakes system.<sup>4</sup> Except Great Lakes. For 1954 and 1955, ton-miles distributed by inland waterway system.Source: Department of the Army, Corps of Engineers; *Annual Report of Chief of Engineers*, Part 2; and *Waterborne Commerce of the United States*.

## No. 751.—FREIGHT CARRIED ON GREAT LAKES SYSTEM: 1955

[In thousands of ton-miles]

AREA	Total	DOMESTIC				FOREIGN	
		Lakewise	Coast-wise	Internal	Local and intraport	Canadian	Overseas
<b>Total</b> .....	<b>118,845,098</b>	<b>104,082,623</b>	<b>74,805</b>	<b>607,586</b>	<b>144,181</b>	<b>13,434,030</b>	<b>501,873</b>
Lake Superior.....	37,027,674	33,814,764		1,438	647	3,208,758	2,067
St. Marys River.....	0,685,798	5,977,281		235	1	707,941	340
Lake Michigan, including Port of Chicago <sup>1</sup> .....	20,245,687	18,723,442	11,628	320,284	80,672	1,005,447	104,214
Lake Huron.....	27,430,409	24,431,633	8,743	8,089	2,101	2,893,042	86,801
St. Clair River, including channels in Lake St. Clair.....	6,609,485	5,950,222	2,025	1,742	5,633	719,479	20,381
Detroit River.....	3,731,544	3,302,262	2,590	3,123	6,205	404,115	13,249
Lake Erie, including upper Niagara River.....	14,900,847	11,729,606	27,638	106,464	48,914	2,882,352	114,873
Welland Canal.....	380,295	19,038	3,564	23,289	3	319,959	14,442
Lake Ontario, including lower Niagara River.....	1,250,469	126,396	18,617	131,263	5	888,600	85,588
St. Lawrence River, between St. Regis, Quebec, and Lake Ontario.....	483,890	7,979		11,659		404,337	59,915

<sup>1</sup> Comprises Chicago Harbor, North Branch, South Branch, Sanitary Ship Canal, Calumet-Sag Channel, and Calumet Harbor and River.Source: Department of the Army, Corps of Engineers; *Waterborne Commerce of the United States*.

## No. 752.—FREIGHT CARRIED ON MISSISSIPPI RIVER SYSTEM: 1940 TO 1955

[In thousands. Net traffic. Comprises main channels and all tributaries of the Mississippi, Illinois, Missouri, and Ohio Rivers]

YEAR	TRAFFIC IN SHORT TONS					TRAFFIC IN TON-MILES				
	Total	Inland	Coast-wise	Foreign		Total	Inland	Coast-wise	Foreign	
				Imports	Exports				Imports	Exports
1940.....	88,980	73,174	9,001	3,157	3,640	13,934,427	11,578,418	1,523,144	385,444	447,421
1945.....	95,543	82,081	4,954	3,114	5,394	19,595,193	17,737,830	849,230	340,228	657,905
1948.....	125,498	104,532	11,406	3,924	5,576	27,923,751	24,871,700	1,871,510	481,890	698,651
1949.....	122,314	100,157	12,405	3,748	6,003	27,399,055	24,153,321	1,973,074	502,600	770,060
1950.....	133,145	114,897	13,877	4,395	5,176	33,597,816	30,281,638	2,074,088	599,288	642,802
1951.....	154,637	128,575	14,192	5,069	6,801	36,754,185	33,003,533	2,193,272	692,411	864,969
1952.....	157,673	132,433	12,553	5,615	7,173	37,066,990	33,302,941	2,057,735	799,448	906,866
1953.....	169,392	142,569	14,162	5,762	6,900	42,357,919	38,289,640	2,333,601	826,018	908,080
1954.....	162,833	136,392	13,830	5,252	7,359	42,609,492	38,703,034	2,118,425	812,446	975,587
1955.....	194,363	163,760	16,060	6,296	8,248	52,019,333	47,417,668	2,473,056	1,046,148	1,082,461

Source: Department of the Army, Corps of Engineers; *Annual Report of Chief of Engineers*, Part 2; and *Waterborne Commerce of the United States*.

No. 753.—COMMERCE ON SELECTED RIVERS, CANALS, AND CONNECTING CHANNELS  
OF THE UNITED STATES: 1940 TO 1955

[In thousands of short tons (cargo). Excludes general ferry traffic, non-regulated car ferry traffic, and cargoes in transit.]

WATERWAY	1940	1945	1950	1953	1954	1955
<b>RIVERS</b>						
Connecticut River below Hartford, Conn.	1,427	1,116	1,983	2,151	2,400	2,505
Hudson River, N. Y. (Mouth of Spuyten Duyvil Creek to Waterford, N. Y.)	11,516	5,747	14,574	17,827	18,527	20,203
Delaware River, Philadelphia, Pa., to Trenton, N. J.	4,410	4,261	7,086	7,526	9,828	11,010
Delaware River, Philadelphia, Pa., to the sea	27,658	29,558	69,283	73,828	79,569	86,754
Potomac River below Washington, D. C.	3,616	1,936	2,402	3,440	3,574	3,796
James River, Va.	2,649	1,469	3,610	4,645	4,689	5,197
Wilmington Harbor, N. C.	12,785	11,169	4,022	4,109	4,093	4,355
Mobile River, Ala., tributaries	1,703	2,382				
Black Warrior, Warrior, and Tombigbee Rivers, Ala.	1,890	1,492	2,603	2,857	3,019	4,221
Bayou Teche, La.	1,187	532	1,241	396	267	323
Lake Pontchartrain, La.	2,029	390	1,390	823	916	1,824
Mermentau River, Bayou Nezpique, and Bayou Des Cannes, La.	848	596	1,763	1,648	1,640	1,790
Bayou Lafourche, La.	1,166	685	2,182	2,217	897	1,179
Bayou Terrebonne, La.	899	632	1,507	1,684	1,408	1,284
Petit Anse, Tigre, and Carlin Bayous, La.	269	1,019	1,916	649	395	491
San Bernard River, Tex.				2,385	1,270	993
San Joaquin River, Calif.	1,049	1,220	1,495	1,980	2,035	2,414
Sacramento River, Calif.	817	956	1,591	1,972	2,172	2,228
Columbia and Lower Willamette Rivers below Vancouver, Wash., and Portland, Ore.	15,028	16,635	18,578	18,475	17,751	19,826
Columbia River from Vancouver, Wash., to The Dalles, Ore.	1,884	1,417	2,845	2,990	3,047	3,216
Columbia River and tributaries above Celilo Falls to McNary Lock and Dam, Ore. and Wash.		599	833	795	790	1,058
Willamette River above Portland and Yamhill Rivers, Ore.	3,067	2,877	3,948	4,449	4,109	4,290
Snohomish River, Wash.	2,361	1,778	1,657	1,836	1,091	1,487
Illinois Waterway, Ill.	5,729	6,591	16,421	20,077	19,311	21,363
Red River below Fulton, Ark.	192		872	630	106	105
Mississippi River, Minneapolis, Minn., to the Passes	32,372	43,969	66,923	80,100	82,404	94,042
<b>Missouri River:</b>						
Kansas City to the mouth	754	478	763	966	1,245	1,278
Kansas City to Sioux City	553	386	860	1,580	1,479	1,911
Sioux City to Fort Benton	3	7		62	59	84
Allegheny River, Pa.	3,929	2,416	3,594	3,692	3,778	4,633
Monongahela River, Pa. and W. Va.	29,560	26,556	28,510	33,370	28,937	37,618
Kanawha River, W. Va.	4,499	4,499	6,388	7,422	6,369	7,644
Ohio River, Pittsburgh to mouth	29,549	33,808	48,598	62,034	55,077	71,461
Cumberland River, Tenn., and Ky.	852	814	1,047	2,495	2,233	2,878
Tennessee River, Tenn., Ala., and Ky.	2,207	2,163	3,051	7,119	8,416	9,975
<b>FEDERAL CANALS AND CONNECTING CHANNELS</b>						
Cape Cod Canal, Mass.	7,901	14,684	13,625	13,529	12,930	13,388
Inland Waterway from Delaware River to Chesapeake Bay, Del. and Md.	3,795	3,690	7,298	8,897	8,816	9,151
Lake Charles Deep Water Channel, La.	8,601	10,288	12,164	16,267	14,143	14,901
Gulf Intracoastal Waterway, Plaquemine to Morgan City, La.	596	1,693	1,819	2,235	1,532	2,497
Gulf Intracoastal Waterway, Apalachee Bay, Fla., to the Mexican border	11,643	23,045	31,520	41,727	36,982	41,379
Sabine-Neches Waterway, Tex.	38,433	26,318	48,385	56,763	53,524	56,234
Port Aransas (Aransas Pass) Corpus Christi Waterway, Tex.	14,180	13,074	21,132	23,392	23,076	24,330
Detroit River, Mich.	18,294	127,045	127,292	140,729	102,358	132,507
St. Marys Falls Canal, Mich.	89,860	112,983	106,140	128,510	83,616	114,649
Grays Reef Passage, Mich.	5,962	4,905	6,045	6,415	5,420	5,399
Mulnomah Channel, Oreg.	1,416	2,363	997	1,173	792	1,060
Canals and locks at Willamette Falls, Oreg.	186	1,619	1,664	1,714	1,597	1,431
Lake Washington Ship Canal, Wash.	2,579	2,183	2,056	1,979	2,084	2,121
<b>STATE AND PRIVATE CANALS</b>						
New York State Barge Canal.	4,768	2,969	4,616	4,497	3,859	4,616
Innerharbor Navigation Canal, La.	2,687	1,430	2,338	3,046	3,212	3,334

<sup>1</sup> Reported as "Cape Fear River at and below Wilmington, N. C."

Source: Department of the Army, Corps of Engineers; *Annual Report of Chief of Engineers*, Part 2; and *Waterborne Commerce of the United States*.

No. 754.—COMMERCIAL TRAFFIC THROUGH THE PANAMA CANAL, 1914 TO 1956, AND BY NATIONALITY OF VESSEL, 1956

[For years ending June 30. Comprises oceangoing tolls-paying vessels and foreign naval vessels of 300 net tons and over (Panama Canal measurement) for vessels rated on net tonnage, or 500 tons displacement and over for vessels rated on displacement tonnage]

YEAR	Number of transits	Net tonnage (1,000) <sup>1</sup>	Tolls (\$1,000)	Tons of cargo (1,000 long tons)	NATIONALITY OF VESSEL, 1956	Number of transits	Net tonnage (1,000) <sup>1</sup>	Tolls (\$1,000)	Tons of cargo (1,000 long tons)
<b>Total</b> .....	188,968	872,197	805,454	930,438	Argentina.....	3	14	13	9
<b>Cumulative to June 30, 1921</b> <sup>2</sup> .....	12,641	41,254	44,761	50,441	Belgium.....	1	( <sup>3</sup> )		
1922.....	2,665	10,556	11,192	10,883	Chile.....	75	394	348	453
1923.....	3,908	17,206	17,504	19,566	China.....	36	158	143	271
1924.....	5,168	24,181	24,285	26,993	Colombia.....	232	577	518	293
1925.....	4,592	21,134	21,394	23,957	Costa Rica.....	26	107	95	172
1926.....	5,087	22,906	22,920	26,030	Denmark.....	337	1,400	1,226	1,154
1927.....	5,293	24,245	24,212	27,734	Ecuador.....	66	148	138	80
1928.....	6,253	27,229	26,922	29,616	Finland.....	22	109	97	110
1929.....	6,239	27,585	27,111	30,648	France.....	112	653	593	684
1930.....	6,027	27,716	27,060	30,018	Germany.....	509	1,978	1,716	1,501
1931.....	5,370	25,690	24,625	25,065	Great Britain.....	1,142	6,882	6,139	7,300
1932.....	4,362	21,842	20,695	19,799	Greece.....	114	576	513	1,032
1933.....	4,162	21,094	19,601	18,161	Honduras.....	423	824	688	372
1934.....	5,234	26,410	24,047	24,704	Israel.....	2	12	11	20
1935.....	5,180	25,720	23,307	25,310	Italy.....	126	751	653	757
1936.....	5,382	25,923	23,479	26,506	Japan.....	476	2,669	2,396	3,517
1937.....	5,387	25,430	23,102	28,108	Korea (South).....	17	56	55	77
1938.....	5,524	25,950	23,170	27,886	Liberia.....	496	2,851	2,456	4,252
1939.....	5,903	27,170	23,661	27,867	Mexico.....	8	18	17	28
1940.....	5,370	24,144	21,145	27,299	Netherlands.....	140	724	641	778
1941.....	4,727	20,643	18,158	24,951	Nicaragua.....	53	123	110	83
1942.....	2,688	11,010	9,752	13,607	Norway.....	935	4,985	4,294	4,954
1943.....	1,822	8,234	7,357	10,600	Panama.....	431	1,538	1,313	1,959
1944.....	1,562	6,073	5,456	7,003	Peru.....	31	110	98	165
1945.....	1,939	8,381	7,244	8,604	Philippine Islands.....	24	137	124	144
1946.....	3,747	17,517	14,774	14,978	Portugal.....	2	( <sup>3</sup> )	1	
1947.....	4,260	20,233	17,597	21,671	Spain.....	48	196	164	198
1948.....	4,678	22,902	19,957	24,118	Sweden.....	163	863	766	816
1949.....	4,793	23,473	20,541	25,305	United States.....	2,102	12,323	10,809	13,910
1950.....	5,448	28,013	24,430	28,872	Uruguay.....	2	5	5	10
1951.....	5,593	27,180	23,906	30,073	U. S. S. R.....	2	2	2	2
1952.....	6,524	30,674	26,923	33,611	Venezuela.....	2	9	7	9
1953.....	7,410	36,670	31,918	36,095	Yugoslavia.....	1	5	5	9
1954.....	7,784	38,028	33,248	39,095					
1955.....	7,997	38,568	33,849	40,646					
1956.....	8,209	41,203	36,154	45,119					

<sup>1</sup> Net tonnages prior to 1939 are estimates, based on revised measurement rules, effective Mar. 1, 1938.

<sup>2</sup> Canal opened to traffic Aug. 15, 1914.

<sup>3</sup> Displacement tonnage.

Source: Panama Canal Company; annual report.

No. 755.—COMMERCIAL TRAFFIC THROUGH THE PANAMA CANAL—SUMMARY: 1935 TO 1956

[For years ending June 30. See headnote, table 754]

ITEM	1935	1940	1945	1950	1952	1953	1954	1955	1956
Number of transits.....	5,180	5,370	1,939	5,448	6,524	7,410	7,784	7,997	8,209
Measurement tonnage registered:									
Gross.....1,000.....	33,013	31,086	11,427	37,291	40,879	48,315	49,810	50,475	53,662
Net.....do.....	19,609	18,643	6,923	22,267	24,243	28,698	29,580	29,801	31,713
Panama Canal, net.....do.....	25,720	24,144	8,381	28,013	30,674	36,679	38,028	38,568	41,203
Tons of cargo, total									
1,000 long tons.....	25,310	27,299	8,604	28,872	33,611	36,095	39,095	40,646	45,119
Atlantic to Pacific.....do.....	7,530	9,820	4,235	9,484	15,129	17,329	18,378	18,419	21,286
Pacific to Atlantic.....do.....	17,780	17,479	4,369	19,388	18,482	18,766	20,717	22,227	23,833

Source: Panama Canal Company; annual report.

**No. 756.—VESSELS ENTERED AND CLEARED IN FOREIGN TRADE—NET REGISTERED TONNAGE: 1840 TO 1956**

[In thousands of net tons. Excludes domestic trade. Figures cover years ending June 30 through 1918, calendar years thereafter. Seaports comprise all ports except northern border ports (see table 757). See also *Historical Statistics*, series K 146-157]

YEARLY AVERAGE OR YEAR	ENTERED		CLEARED		YEARLY AVERAGE OR YEAR	ENTERED		CLEARED	
	Sea-ports	Other ports	Sea-ports	Other ports		Sea-ports	Other ports	Sea-ports	Other ports
1840 <sup>1</sup> .....	1,788	501	1,861	492	1841-1845.....	52,620	15,374	56,304	15,489
1850.....	3,109	1,179	3,167	1,194	1846-1850.....	75,094	12,369	74,889	12,301
1860.....	5,000	3,275	5,257	3,533	1851-1855.....	100,657	14,333	101,213	14,234
1870.....	6,270	2,886	6,362	2,807	1842-1845.....	28,258	15,684	31,976	15,730
1871-1875.....	8,462	2,907	8,514	2,994	1843.....	44,739	16,345	50,232	16,484
1876-1880.....	12,134	2,792	12,197	2,807	1844.....	66,305	15,555	71,717	15,668
1881-1885.....	13,604	2,931	13,781	2,917	1845.....	81,182	12,839	81,452	13,107
1886-1890.....	13,479	2,602	13,655	2,593	1846.....	69,620	10,788	66,376	10,849
1891-1895.....	16,801	2,816	16,965	2,876	1847.....	80,880	12,907	84,508	12,652
1896-1900.....	20,931	3,989	21,077	4,007	1848.....	76,910	14,023	75,714	13,735
1901-1905.....	24,551	5,939	24,633	5,918	1849.....	74,701	10,999	73,063	11,223
1906-1910.....	29,651	8,072	29,156	8,036	1850.....	73,451	13,178	74,785	13,044
1911-1915.....	36,035	11,879	35,954	12,061	1951.....	93,674	14,412	96,256	13,979
1915-1920 <sup>2</sup> .....	38,071	13,440	40,137	13,511	1952.....	101,263	15,112	99,704	15,095
1921-1925.....	52,959	13,334	53,378	13,075	1953.....	97,344	15,215	97,627	15,308
1926-1930.....	63,768	15,293	64,441	15,319	1954.....	97,198	12,327	97,674	12,225
1931-1935.....	64,928	10,462	65,214	10,351	1955.....	113,807	14,597	114,806	14,561
1936-1940.....	65,521	11,595	66,967	11,575	1956.....	130,767	17,077	131,391	16,878

<sup>1</sup> Year ending Sept. 30.

<sup>2</sup> Average for period July 1, 1915, to Dec. 31, 1920.

Source: Department of Commerce, Bureau of the Census; *Foreign Commerce and Navigation of the United States*, and records.

**No. 757.—VESSELS ENTERED AND CLEARED IN FOREIGN TRADE—NET REGISTERED TONNAGE, BY REGIONS: 1921 TO 1956**

[In thousands of net tons. See headnote, table 756]

YEARLY AVERAGE OR YEAR	ATLANTIC COAST		GULF COAST		PACIFIC COAST		Mexi- can border, total	NORTHERN BORDER	
	Total	With cargo	Total	With cargo	Total	With cargo		Total	With cargo
Entered:									
1921-1925.....	30,979	27,133	12,390	8,243	9,562	6,070	28	13,334	6,475
1926-1930.....	36,884	33,003	11,634	7,415	15,100	8,247	150	15,293	7,700
1931-1935.....	31,721	28,668	8,058	4,858	14,968	9,239	180	10,462	4,997
1936-1940.....	30,634	26,925	10,115	5,593	14,108	9,368	663	11,595	5,187
1941-1945.....	34,914	18,397	6,454	4,463	11,211	6,153	40	15,374	5,060
1946-1950.....	48,414	35,490	15,396	7,954	10,928	6,546	353	12,369	2,756
1951-1955.....	64,957	54,693	18,092	11,738	17,263	11,716	345	14,333	3,898
1952.....	64,833	52,080	18,328	10,543	17,789	11,133	313	15,112	3,907
1953.....	60,271	54,855	17,660	11,039	19,079	13,243	335	15,215	3,923
1954.....	61,952	56,568	18,416	13,096	16,462	12,292	307	12,327	3,528
1955.....	75,762	61,965	20,323	14,269	17,441	13,063	281	14,597	4,631
1956.....	80,067	66,503	24,038	15,452	20,424	15,322	241	17,077	5,542
Cleared:									
1921-1925.....	30,837	24,284	12,833	9,589	9,880	8,360	28	13,075	9,236
1926-1930.....	36,361	28,696	12,326	10,641	15,658	13,148	95	15,319	10,504
1931-1935.....	30,658	23,563	9,018	8,079	15,411	13,220	127	10,351	7,309
1936-1940.....	30,472	22,459	11,064	9,001	14,752	13,394	677	11,575	9,412
1941-1945.....	35,545	27,351	7,636	6,494	13,082	11,288	40	15,489	12,657
1946-1950.....	47,766	31,273	15,757	13,446	11,032	9,702	332	12,301	10,819
1951-1955.....	65,261	38,063	17,870	14,269	17,649	15,770	433	14,234	12,002
1952.....	63,781	40,013	18,001	15,176	17,531	15,688	391	15,095	12,578
1953.....	60,179	33,431	17,343	14,021	19,654	17,139	451	15,308	12,037
1954.....	62,393	32,768	17,681	13,348	17,134	15,097	400	12,225	10,231
1955.....	76,412	42,336	20,057	14,901	17,897	16,099	440	14,561	11,830
1956.....	85,930	48,754	24,075	18,687	21,005	17,517	383	16,878	13,558

Source: Department of Commerce, Bureau of the Census; *Foreign Commerce and Navigation of the United States*, and records.

No. 758.—VESSELS ENTERED AND CLEARED IN FOREIGN TRADE—NET REGISTERED TONNAGE, BY CLASSES: 1881 TO 1956

[In thousands of net tons, except number of vessels and percentages. See headnote, table 756. See also *Historical Statistics*, series K 146-157]

YEARLY AVERAGE OR YEAR	ALL PORTS					SEAPORTS					
	Number of vessels	All vessels			Percent U. S.	All vessels			With cargo		
		Total tonnage	U. S.	Foreign		Total tonnage	U. S.	Foreign	Total tonnage	U. S.	Foreign
ENTERED											
1881-1890	32, 038	16, 308	3, 395	12, 913	20.8	13, 542	2, 933	10, 609	11, 560	2, 550	9, 001
1891-1900	31, 781	22, 269	4, 978	17, 291	22.4	18, 866	3, 619	15, 247	14, 184	2, 956	11, 228
1901-1905	34, 040	30, 490	6, 802	23, 688	22.3	24, 551	3, 962	20, 589	19, 205	3, 246	15, 960
1906-1910	34, 375	37, 722	8, 372	29, 350	22.2	29, 651	4, 175	25, 475	23, 621	3, 471	20, 150
1911-1915	38, 951	47, 914	12, 205	35, 709	25.5	36, 035	5, 276	30, 759	27, 778	4, 200	23, 578
1915-1920 <sup>1</sup>	42, 713	51, 511	21, 999	29, 512	42.7	38, 071	14, 508	23, 563	25, 128	11, 375	13, 753
1921-1925	41, 546	66, 293	29, 045	36, 048	44.7	52, 959	22, 526	30, 433	41, 471	18, 404	23, 068
1926-1930	45, 846	79, 062	30, 314	48, 748	38.3	63, 768	23, 182	40, 586	48, 710	18, 809	29, 901
1931-1935	31, 338	65, 390	23, 847	41, 543	36.5	54, 928	19, 854	35, 074	42, 835	16, 870	25, 965
1936-1940	33, 954	67, 117	19, 243	47, 873	28.7	55, 521	16, 090	39, 432	41, 951	13, 865	28, 086
1941-1945	38, 997	67, 994	34, 658	33, 336	51.0	52, 620	30, 059	22, 560	28, 995	16, 877	12, 118
1946-1950	48, 813	87, 462	46, 205	41, 257	52.8	75, 094	42, 168	32, 926	50, 288	26, 318	23, 970
1951-1955	48, 082	114, 960	39, 459	75, 531	34.3	100, 657	35, 345	65, 313	78, 407	26, 759	51, 649
1944	40, 834	81, 860	48, 071	33, 789	58.7	66, 305	42, 196	24, 109	32, 297	20, 509	11, 788
1945	48, 318	94, 021	61, 375	32, 646	65.3	81, 182	56, 499	24, 682	37, 992	26, 080	11, 912
1946	48, 082	80, 258	53, 045	27, 213	66.1	69, 520	49, 143	20, 378	36, 348	23, 437	12, 911
1947	50, 449	93, 796	53, 627	40, 170	57.2	80, 889	49, 044	31, 844	43, 872	26, 029	17, 843
1948	50, 238	90, 927	47, 726	43, 199	52.5	76, 910	43, 270	33, 640	51, 044	28, 107	22, 937
1949	48, 368	85, 700	41, 251	44, 451	48.1	74, 701	37, 626	37, 076	56, 403	27, 479	28, 924
1950	46, 926	86, 629	35, 376	51, 251	40.8	73, 451	31, 757	41, 693	63, 771	26, 536	37, 235
1951	48, 466	108, 086	44, 671	63, 515	41.2	93, 674	40, 482	53, 192	66, 868	28, 005	38, 863
1952	50, 076	116, 375	45, 223	71, 152	38.9	101, 263	40, 732	60, 532	73, 973	28, 496	45, 477
1953	47, 802	112, 559	39, 319	73, 240	34.9	97, 344	34, 969	62, 375	79, 410	26, 794	52, 616
1954	45, 651	109, 524	33, 860	75, 664	30.9	97, 198	30, 133	67, 065	82, 234	25, 167	57, 067
1955	48, 415	128, 405	34, 321	94, 084	26.7	113, 807	30, 407	83, 400	89, 552	25, 331	64, 220
1956	52, 999	147, 844	36, 247	111, 598	25.5	130, 767	31, 254	99, 514	97, 442	26, 224	71, 218
CLEARED											
1881-1890	32, 159	16, 473	3, 450	13, 023	20.9	13, 719	2, 978	10, 741	12, 795	2, 541	10, 254
1891-1900	31, 902	22, 463	5, 038	17, 425	22.4	19, 021	3, 644	15, 377	17, 514	2, 614	14, 600
1901-1905	33, 863	30, 561	6, 812	23, 739	22.3	24, 633	4, 000	20, 633	22, 460	3, 284	19, 176
1906-1910	33, 897	37, 192	8, 282	28, 910	22.3	29, 156	4, 084	25, 072	26, 768	3, 498	23, 270
1911-1915	38, 790	48, 015	12, 512	35, 503	26.1	35, 954	5, 361	30, 594	32, 827	4, 522	28, 305
1915-1920 <sup>1</sup>	42, 687	53, 647	23, 005	30, 643	42.9	40, 137	15, 455	24, 681	34, 851	11, 505	23, 346
1921-1925	40, 120	66, 653	29, 554	37, 099	44.3	53, 578	22, 556	31, 022	42, 233	14, 974	27, 259
1926-1930	44, 082	79, 760	30, 709	49, 051	38.5	64, 441	23, 338	41, 102	52, 581	17, 071	35, 510
1931-1935	30, 520	65, 565	25, 616	41, 940	36.0	55, 214	19, 653	35, 561	44, 990	15, 729	29, 261
1936-1940	32, 706	68, 541	19, 448	49, 093	28.4	56, 967	16, 302	40, 665	46, 126	13, 116	33, 009
1941-1945	38, 195	71, 792	37, 283	34, 509	51.9	56, 304	32, 585	23, 718	45, 147	26, 377	18, 770
1946-1950	45, 135	87, 190	44, 942	42, 244	51.5	74, 859	40, 933	33, 926	54, 584	29, 510	25, 073
1951-1955	45, 324	115, 447	39, 593	75, 914	34.2	101, 213	35, 531	65, 682	68, 396	25, 407	42, 989
1944	40, 321	87, 385	53, 050	34, 335	60.7	71, 717	46, 919	24, 798	60, 095	39, 960	20, 134
1945	46, 210	94, 559	61, 460	33, 099	65.0	81, 452	56, 332	25, 120	63, 992	44, 705	19, 286
1946	44, 464	77, 225	49, 124	28, 101	63.6	66, 376	45, 113	21, 263	47, 828	31, 993	15, 865
1947	48, 374	97, 160	54, 088	43, 072	55.7	84, 508	49, 558	34, 949	67, 483	38, 733	28, 700
1948	46, 067	89, 449	45, 775	43, 667	51.2	75, 714	41, 348	34, 368	56, 154	29, 840	26, 314
1949	43, 503	84, 286	39, 681	44, 604	47.1	73, 063	36, 136	36, 927	52, 679	25, 445	27, 313
1950	43, 268	87, 829	36, 043	51, 778	41.0	74, 785	32, 510	42, 269	48, 695	21, 520	27, 175
1951	45, 753	110, 236	46, 763	63, 472	42.4	96, 257	43, 024	53, 233	70, 756	32, 355	38, 400
1952	46, 501	114, 797	43, 726	71, 071	38.1	99, 703	39, 273	60, 429	71, 111	29, 451	41, 660
1953	44, 757	112, 935	39, 188	73, 747	34.7	97, 627	34, 775	62, 852	64, 889	24, 786	40, 103
1954	42, 966	109, 899	33, 579	76, 321	30.6	97, 674	29, 969	67, 706	61, 561	19, 679	41, 883
1955	46, 642	129, 368	34, 407	94, 961	26.6	114, 800	30, 615	84, 192	73, 093	20, 763	52, 900
1956	50, 735	148, 269	36, 317	111, 952	24.5	131, 391	31, 510	99, 881	85, 285	21, 262	64, 023

<sup>1</sup> Average for period July 1, 1915, to Dec. 31, 1920.

Source: Department of Commerce, Bureau of the Census; *Foreign Commerce and Navigation of the United States* and records.

MERCHANT VESSELS

NO. 759.—UNITED STATES FLAG STEAM AND MOTOR MERCHANT VESSELS: 1940 TO 1956  
 Dead-weight tonnage in thousands. As of June 30, except as indicated. Covers seagoing vessels of 1,000 gross tons and over engaged in foreign and domestic trade, and inactive vessels. Excludes special types and vessels employed on Great Lakes

YEAR AND TYPE OF VESSEL	ALL VESSELS		ACTIVE VESSELS										TEMPORARILY INACTIVE		RESERVE FLEET		SERVICIAL SERVICE	
	Num-ber	Tons	Foreign trade		Domestic trade						Noncontiguous		Num-ber	Tons	Num-ber	Tons	Num-ber	Tons
			Num-ber	Tons	Coastwise		Intercoastal		Noncontiguous									
					Num-ber	Tons	Num-ber	Tons	Num-ber	Tons								
1940	1,300	11,019	1,118	9,643	3,749	693	5,893	500	4,172	122	1,189	71	532	181	1,367	1	10	
1941	1,140	873	112	696	514	46	2,438	386	1,299	1	8	9	45	28	150	1	10	
Cargo	790	6,020	641	4,882	2,443	350	1,888	388	988	109	1,093	53	417	148	1,160			
Tankers	370	4,126	365	4,065	68	297	3,273	276	3,064	12	148	9	70	5	4,988	430	3,728	
1946 (Sept. 30)	4,882	50,263	2,332	26,399	1,890	20,592	4,442	3,407	3,480	54	563	91	38	28	1,775	33	31	
Combination	1,117	800	15	127	10	38	1,910	101	228	33	561	72	637	450	4,108	1,159	3,208	
Cargo	3,829	36,975	1,833	18,110	1,607	16,200	2,926	1,910	228	33	561	72	637	450	4,108	1,159	3,208	
Tankers	906	12,785	474	7,122	298	4,264	2,888	2,888	196	2,751	1	2	101	55	624	365	183	
1950	3,408	36,526	1,145	13,828	711	8,353	434	5,474	279	3,716	87	1,181	68	626	86	2,177	21,853	
Combination	83	639	51	417	45	359	6	28	66	569	58	649	6	23	4	58	195	
Cargo	2,846	28,927	682	7,075	5,367	177	1,708	66	569	58	649	53	500	42	384	2,122	21,408	
Tankers	479	6,959	412	6,335	161	2,597	251	3,737	213	3,157	29	482	9	98	40	434	27	
1952	3,350	36,081	1,177	14,242	782	9,052	395	5,196	291	4,093	56	690	48	147	1,544	1,756	17,562	
Combination	200	2,044	45	397	44	393	1	4	41	449	41	449	1	10	52	188	1,439	
Cargo	2,629	27,210	717	7,480	582	6,177	135	1,302	58	517	41	449	36	106	1,109	1,566	16,064	
Tankers	461	6,827	415	6,395	156	2,481	269	3,884	293	3,516	15	241	11	127	31	322	12	
1953	3,349	36,255	1,066	13,115	629	7,390	437	5,725	303	4,275	59	716	75	734	98	1,836	18,395	
Combination	257	2,039	628	6,528	461	4,780	167	1,638	59	517	46	507	5	23	5	22	197	
Cargo	2,680	27,228	393	6,186	198	2,122	265	4,064	244	3,758	13	209	8	39	369	1,627	16,799	
Tankers	402	6,988	303	6,186	198	2,122	265	4,064	244	3,758	13	209	8	39	369	1,627	16,799	
1954	3,333	35,860	1,021	12,629	623	7,299	398	5,324	265	3,854	66	767	67	703	236	2,843	19,373	
Combination	232	1,936	633	6,807	39	361	5	23	44	396	58	647	5	3	3	197	1,227	
Cargo	2,656	27,325	633	6,807	489	5,226	154	1,581	44	396	58	647	52	538	141	1,467	18,092	
Tankers	448	6,930	334	5,432	95	1,713	239	3,719	221	3,458	8	120	10	141	94	1,373	12	
1955	3,235	35,017	1,026	12,872	601	6,992	425	5,880	271	3,999	75	996	79	885	89	1,983	19,687	
Combination	249	1,957	40	371	39	361	1	10	43	385	52	591	1	10	14	185	1,166	
Cargo	2,500	26,539	652	7,033	492	5,383	180	1,650	228	3,014	23	405	85	674	28	288	18,070	
Tankers	426	6,790	334	5,468	70	2,248	264	4,220	228	3,014	23	405	13	201	47	742	38	
1956	3,150	34,052	1,046	13,177	644	7,538	402	5,639	281	4,269	40	467	81	913	51	1,972	19,498	
Combination	247	1,983	39	369	38	359	1	10	42	411	40	457	67	701	37	355	1,726	
Cargo	2,511	26,007	673	6,807	524	5,638	149	1,569	289	3,858	40	457	67	701	37	355	1,726	
Tankers	392	5,365	334	5,590	82	1,489	252	4,061	289	3,858	40	457	13	202	12	192	39	

1 All inactive vessels.  
 2 Includes ships originally constructed as cargo ships but converted to transports, hospital ships, etc., previously included in cargo classification as follows: 1952, 181 ships of 1,415,000 tons; 1953, 152 ships of 1,426,350 tons; 1954-1956, 181 ships of 1,124,000 tons each year.  
 Source: Department of Commerce, Maritime Administration, records.

## No. 760.—MERCHANT VESSELS COMPLETED BY U. S. SHIPYARDS: 1914 TO 1956

[Represents self-propelled steel vessels of 2,000 gross tons and over]

YEAR	ALL MERCHANT VESSELS		PASSENGER-CARGO/TRANSPORT			CARGO			TANKER		
	Number	Gross tons	Number	Gross tons	Dead-weight tons	Number	Gross tons	Dead-weight tons	Number	Gross tons	Dead-weight tons
1914.....	26	135,164	1	2,662	800	17	87,585	130,278	8	44,917	67,222
1915.....	24	128,337	3	19,987	12,600	17	88,262	131,388	4	20,088	29,862
1916.....	74	369,955	1	6,063	7,480	49	200,824	299,623	24	163,068	246,953
1917.....	125	642,120	1	10,206	9,940	92	413,002	627,002	32	218,312	314,225
1918.....	414	1,769,629	5	29,736	24,297	375	1,508,003	2,282,585	34	231,890	339,368
1919.....	723	3,369,884	2	10,285	10,650	679	3,086,207	4,680,321	42	273,392	394,713
1920.....	467	2,395,545	12	99,911	111,000	375	1,788,086	2,695,753	80	537,548	778,027
1925.....	12	83,916	3	18,860	11,470	9	65,066	92,200			
1930.....	18	163,500	5	50,311	39,269	2	15,824	24,000	11	97,365	161,219
1935.....	2	19,022							2	19,022	29,760
1940.....	53	444,727	6	68,943	61,222	31	227,275	334,660	16	148,509	238,352
1941.....	95	749,108	6	58,107	56,515	61	423,022	597,943	28	267,979	434,039
1942.....	724	5,392,848	11	101,847	81,290	652	4,678,880	6,842,689	61	612,121	982,381
1943.....	1,661	12,485,629	20	219,760	180,047	1,410	10,103,245	14,921,082	231	2,162,624	3,420,405
1944.....	1,463	11,403,163	48	401,281	330,311	1,175	8,455,475	11,857,797	240	2,486,397	3,554,957
1945.....	1,041	7,614,898	46	509,163	311,046	807	5,336,152	7,206,201	188	1,769,583	2,787,397
1946.....	83	645,706	9	76,719	84,667	66	487,354	728,583	8	81,633	120,900
1947.....	39	247,327	8	73,694	68,225	28	154,402	228,657	3	19,261	36,166
1948.....	24	158,915	1	15,359	10,513	17	92,049	158,863	6	51,807	87,693
1949.....	33	540,559							33	540,559	803,292
1950.....	26	404,617				3	26,864	43,500	23	377,763	608,593
1951.....	10	147,569	2	47,438	23,580	4	28,993	42,994	4	116,458	162,454
1952.....	31	398,750	6	101,430	56,650	17	109,979	288,638	8	127,341	202,454
1953.....	45	570,395	1	4,244	3,560	22	212,305	323,789	22	353,846	554,831
1954.....	39	585,052	1	4,000	6,000	11	106,171	159,340	27	474,881	763,503
1955.....	9	119,104				7	84,110	95,289	2	34,994	55,414
1956.....	8	113,288				2	6,844	15,032	6	106,454	169,377

Source: American Bureau of Shipping, New York, N. Y.; published annually in *The Bulletin*.

## No. 761.—EMPLOYEES IN GOVERNMENT AND PRIVATE SHIPYARDS, 1925 TO 1956, AND BY REGION, 1954 TO 1956

[In thousands. Annual average employment in establishments primarily engaged in building and repairing all types of ships, barges, canal boats, and lighters of 5 gross tons and over, whether propelled by sail or motor power or towed by other craft]

YEAR	Total	Private yards <sup>1</sup>	Navy yards <sup>2</sup>	YEAR AND REGION	Total	Private yards <sup>1</sup>	Navy yards <sup>3</sup>
1925.....	76.6	55.0	21.6	1954:			
1930.....	85.2	63.9	21.4	North Atlantic <sup>3</sup> .....	91.4	42.5	48.9
1935.....	68.5	48.7	19.8	South Atlantic <sup>4</sup> .....	38.6	18.0	20.6
1940.....	180.3	102.7	77.5	Gulf <sup>5</sup> .....	22.8	22.8	
1941.....	377.0	236.0	141.0	Pacific <sup>6</sup> .....	55.1	14.8	40.4
1942.....	1,004.0	761.7	242.3	Great Lakes <sup>7</sup> .....	6.1	6.1	
1943.....	1,655.5	1,336.9	318.6	Inland <sup>8</sup> .....	4.3	4.3	
1944.....	1,568.6	1,242.5	326.1	1955:			
1945.....	1,033.9	741.9	292.0	North Atlantic <sup>3</sup> .....	87.2	40.3	46.9
1946.....	354.1	210.0	144.1	South Atlantic <sup>4</sup> .....	36.3	15.6	20.6
1947.....	224.0	137.3	86.6	Gulf <sup>5</sup> .....	21.4	21.4	
1948.....	213.9	124.2	89.7	Pacific <sup>6</sup> .....	53.0	13.5	39.5
1949.....	171.8	88.1	83.7	Great Lakes <sup>7</sup> .....	4.0	4.0	
1950.....	145.7	72.0	73.6	Inland <sup>8</sup> .....	5.1	5.1	
1951.....	223.3	102.2	121.2	1956:			
1952.....	267.6	134.2	133.4	North Atlantic <sup>3</sup> .....	87.0	42.5	44.5
1953.....	255.0	131.2	123.8	South Atlantic <sup>4</sup> .....	36.0	16.3	19.9
1954.....	218.3	108.5	109.8	Gulf <sup>5</sup> .....	23.0	23.0	
1955.....	206.9	99.9	107.0	Pacific <sup>6</sup> .....	51.6	14.3	37.2
1956.....	208.2	106.5	101.7	Great Lakes <sup>7</sup> .....	5.0	5.0	
				Inland <sup>8</sup> .....	5.4	5.4	

<sup>1</sup> Comprises full- and part-time employees who worked during or received pay for any part of the pay period ending nearest the 15th of the month and have been adjusted to 1st quarter 1955 benchmark levels indicated by data from Government social insurance programs.<sup>2</sup> Prepared by Department of the Navy, Bureau of Ships. Beginning 1940, includes Curtis Bay Coast Guard yard (Md.).<sup>3</sup> Comprises yards bordering on the Atlantic in Conn., Del., Maine, Md., Mass., N. H., N. J., N. Y., Pa., R. I., Va.<sup>4</sup> Comprises yards bordering on the Atlantic in Fla., Ga., N. C., S. C., Va.<sup>5</sup> Comprises yards bordering on the Gulf of Mexico in Ala., Fla., La., Miss., Texas.<sup>6</sup> Comprises yards in Calif., Oreg., Wash.<sup>7</sup> Comprises yards bordering on Great Lakes in Ill., Mich., Minn., N. Y., Ohio, Pa., Wis.<sup>8</sup> Comprises all other yards.Source: Department of Labor, Bureau of Labor Statistics; current data published monthly in *Employment and Earnings*.

No. 762.—EMPLOYMENT ON AMERICAN FLAG MERCHANT VESSELS: 1925 TO 1956

[As of June 30 except as indicated. Estimates of personnel employed on U. S. merchant ships, 1,000 gross tons and over. Excludes vessels on inland waterways, Great Lakes, and those owned by the United States Army and Navy, and special types such as cable ships, tugs, etc.]

DATE	Employment	DATE	Employment	DATE	Employment
1925.....	56,750	1938.....	49,800	1951.....	84,300
1926.....	58,630	1939.....	52,000	1952.....	76,650
1927.....	61,430	1940.....	49,810	1953.....	72,750
1928.....	61,100	1941.....	51,280	1954.....	63,850
1929.....	64,480	1942.....	47,410	1955: Mar. 31.....	56,969
1930.....	64,250	1943 (June 20).....	75,000	June 30.....	57,507
1931.....	58,780	1944 (June 20).....	125,290	Sept. 30.....	57,702
1932.....	54,000	1945 (June 20).....	158,860	Dec. 31.....	56,329
1933.....	54,380	1946 (June 20).....	120,050	1956: Mar. 31.....	56,294
1934.....	55,100	1947 (Dec. 20).....	110,820	June 30.....	57,192
1935.....	56,150	1948.....	80,250	Sept. 30.....	57,116
1936.....	57,200	1949.....	71,970	Dec. 31.....	58,185
1937.....	59,150	1950.....	61,550		

Source: Department of Commerce, Maritime Administration; records.

No. 763.—BASIC WAGE SCALE FOR ABLE-BODIED SEAMEN: 1918 TO 1956

[Represents basic wage, over and above subsistence (board and room), paid to seamen having qualifying experience and employed on American flag merchant vessels. Excludes overtime and fringe benefits]

EFFECTIVE DATE	Monthly wage rate	EFFECTIVE DATE	Monthly wage rate	EFFECTIVE DATE	Monthly wage rate
May 4, 1918.....	\$75.00	Jan. 1, 1933.....	\$52.00	Oct. 1, 1947.....	\$197.50
July 28, 1918.....	85.00	Jan. 1, 1934.....	52.00	Mar. 1, 1948.....	210.00
May 1, 1920.....	85.00	Jan. 1, 1935.....	55.00	Dec. 3, 1948.....	226.00
May 1, 1921.....	72.50	Jan. 1, 1936.....	60.00	Sept. 30, 1950.....	248.50
Jan. 1, 1922.....	58.12	Jan. 1, 1937.....	64.00	Oct. 1, 1951.....	288.00
Jan. 1, 1923.....	49.44	Nov. 1, 1937.....	72.50	Apr. 27, 1952.....	302.40
Jan. 1, 1924.....	60.00	Oct. 31, 1938.....	72.50	June 16, 1953.....	314.41
Jan. 1, 1925.....	59.00	Jan. 1, 1939.....	72.50	June 16, 1954.....	1 314.41
Jan. 1, 1926.....	60.00	Jan. 1, 1940.....	72.50	Oct. 30, 1954.....	2 302.00
Jan. 1, 1927.....	77.00	Feb. 10, 1941.....	90.00	June 16, 1955.....	1 314.41
Jan. 1, 1928.....	60.00	Jan. 1, 1942.....	100.00	Nov. 22, 1955.....	2 423.00
Jan. 1, 1929.....	64.00	Oct. 1, 1945.....	145.00	June 16, 1956.....	1 333.27
Jan. 1, 1930.....	61.00	Apr. 1, 1946.....	162.50	Oct. 1, 1956.....	2 453.00
Jan. 1, 1931.....	60.00	June 15, 1946.....	172.50		
Jan. 1, 1932.....	56.00	Feb. 1, 1947.....	182.85		

<sup>1</sup> East coast.

<sup>2</sup> West coast.

Source: Department of Commerce, Maritime Administration; *Annual Report of Commission of Navigation, Collective Bargaining Agreements*, and records.

No. 764.—UNITED STATES MERCHANT MARINE—SUMMARY: 1789 TO 1956

[As of December 31 for 1789 to 1830; September 30 for 1840; June 30 for 1850 to 1940; January 1, thereafter. See also *Historical Statistics*, series K 94-104 and K 124-126]

YEAR	NUMBER OF VESSELS			GROSS TONNAGE OF VESSELS (1,000)								
	Total	Steam and motor	All other	Total	Major class			Material of which built		Type of trade in which engaged		
					Steam and motor	Sailing <sup>1</sup>	Unrigged <sup>1</sup>	Metal <sup>2</sup>	Wood	Foreign trade	Coastwise and internal	Other <sup>3</sup>
1789				202		202				124	69	9
1800				972		972				667	272	33
1810				1,425		1,424				981	405	38
1820				1,280		1,258				584	588	108
1830				1,192		64	1,127			538	517	137
1840				2,181	202	1,978				763	1,177	241
1850				3,535	526	3,010				1,440	1,798	298
1860				5,354	868	4,486				2,379	2,645	380
1870	28,998	3,524	25,474	4,247	1,075	2,363	808			1,449	2,638	169
1880	24,712	4,717	19,995	4,068	1,212	2,366	400			1,314	2,638	116
1890	23,467	5,965	17,502	4,424	1,850	2,109	456	627	3,798	928	3,409	87
1900	23,333	7,053	16,280	5,165	2,658	1,885	622	1,593	3,572	817	4,287	62
1910	25,740	12,452	13,288	7,508	4,900	1,655	952	4,117	3,391	783	6,069	57
1915	26,701	15,948	10,753	8,389	5,944	1,384	1,061	5,305	3,085	1,863	6,486	40
1920	28,183	18,314	9,369	16,324	13,823	1,272	1,228	12,448	3,876	9,925	6,358	42
1925	26,367	18,637	7,730	17,406	14,976	1,275	1,304	14,499	2,970	8,151	9,216	30
1930	25,214	18,211	7,003	16,068	13,757	757	1,554	13,514	2,554	6,296	9,723	49
1935	24,919	18,495	6,424	14,654	12,535	441	1,677	12,460	2,185	4,560	10,049	44
1940	27,212	19,504	7,708	14,018	11,353	200	2,466	(9)	(9)	3,638	10,352	29
1941	27,075	19,382	7,693	13,722	11,047	182	2,493	11,393	2,329	3,047	10,654	21
1942	27,325	19,471	7,854	13,860	11,072	166	2,621	11,641	2,218	4,109	9,744	7
1943	27,612	19,974	7,638	16,762	14,052	142	2,568	14,647	2,115	9,285	7,471	6
1944	28,660	21,511	7,149	25,795	23,217	129	2,440	23,837	1,959	18,685	7,105	5
1945	29,767	22,772	7,025	32,813	30,247	115	2,452	30,898	1,915	26,043	6,766	5
1946	31,386	24,355	7,031	38,501	35,928	98	2,475	36,571	1,929	29,705	8,791	4
1947	32,760	25,532	7,228	37,832	35,149	95	2,588	35,897	1,936	26,535	11,294	3
1948	33,843	26,633	7,210	33,167	30,469	87	2,611	31,211	1,956	22,021	11,143	3
1949	36,264	27,862	7,402	32,182	29,323	87	2,771	30,212	1,969	20,654	11,525	3
1950	36,083	28,793	7,290	31,215	28,327	82	2,806	29,263	1,952	19,154	12,048	14
1951	36,745	29,429	7,316	30,341	27,424	71	2,846	28,417	1,924	18,876	11,462	3
1952	37,339	30,189	7,200	30,416	27,450	66	2,891	28,550	1,857	19,270	11,134	4
1953	38,072	30,791	7,281	30,546	27,507	55	2,984	28,761	1,785	19,007	11,637	2
1954	39,008	31,565	7,443	30,764	27,631	46	3,087	28,982	1,782	18,974	11,787	2
1955	39,242	31,882	7,360	29,958	26,792	40	3,125	28,336	1,622	18,143	11,812	2
1956	39,499	32,030	7,469	29,610	26,251	34	3,326	28,073	1,537	17,765	11,843	2

CLASSES	NUMBER OF VESSELS					GROSS TONNAGE OF VESSELS (1,000)				
	1941	1950	1954	1955	1956	1941	1950	1954	1955	1956
<b>Total</b>	<b>27,075</b>	<b>36,083</b>	<b>39,008</b>	<b>39,242</b>	<b>39,499</b>	<b>13,722</b>	<b>31,215</b>	<b>30,764</b>	<b>29,958</b>	<b>29,610</b>
<b>By location:</b>										
Atlantic and Gulf <sup>4</sup>	16,627	21,623	23,433	23,355	23,298	9,812	20,420	21,147	20,402	19,823
Pacific <sup>5</sup>	6,727	10,066	10,632	10,687	10,715	1,994	8,446	7,152	7,004	7,129
Northern lakes	2,023	2,026	2,015	2,005	2,000	1,641	1,628	1,616	1,590	1,558
Western rivers	1,698	2,368	2,928	3,195	3,486	305	721	849	962	1,100
<b>By rig:</b>										
Steam	3,796	4,795	4,241	3,962	3,788	9,814	26,272	25,489	24,706	24,210
Motor	15,580	23,998	27,324	27,020	28,242	1,233	2,055	2,142	2,086	2,041
Sailing	517	290	228	224	213	182	82	46	40	34
Unrigged	7,176	7,000	7,215	7,136	7,256	2,493	2,806	3,087	3,125	3,326

<sup>1</sup> Unrigged included with sailing prior to 1838.

<sup>2</sup> Comprises iron, steel, composite, concrete, bronze, and aluminum.

<sup>3</sup> Comprises whale fisheries and cod and mackerel fisheries. Beginning 1939, figures exclude mackerel.

<sup>4</sup> Decrease of tonnage arises principally from registered tonnage having been corrected in 1818, 1829, and 1830 by omitting all vessels with registers granted prior to 1815, which were presumed to have been lost at sea, captured, etc. <sup>5</sup> Not available. <sup>6</sup> Includes Puerto Rico and Virgin Islands. <sup>7</sup> Includes Hawaii and Alaska.

Source: Treasury Department, Bureau of Customs; annual report, *Merchant Marine Statistics*.

No. 765.—U. S. MERCHANT MARINE—NUMBER AND GROSS TONNAGE OF VESSELS ON JANUARY 1, 1956, BY YEAR OF BUILD

YEAR OF BUILD	Number	Gross tons	YEAR OF BUILD	Number	Gross tons	YEAR OF BUILD	Number	Gross tons
<b>Total..</b>	<b>39,499</b>	<b>29,610,115</b>	1889.....	23	3,777	1923.....	408	105,741
Unknown..	772	72,539	1890.....	30	4,952	1924.....	541	130,242
1822.....	1	34	1891.....	49	7,377	1925.....	573	121,119
1849.....	1	19	1892.....	36	4,728	1926.....	640	124,843
1851.....	1	14	1893.....	30	3,051	1927.....	698	162,939
1857.....	1	65	1894.....	23	1,922	1928.....	726	121,550
1862.....	1	36	1895.....	26	6,054	1929.....	768	141,697
1863.....	1	1,318	1896.....	49	39,984	1930.....	713	124,570
1864.....	1	225	1897.....	43	19,343	1931.....	511	63,032
1865.....	4	121	1898.....	69	38,215	1932.....	341	100,721
1866.....	4	224	1899.....	78	35,867	1933.....	311	54,474
1867.....	3	48	1900.....	122	70,575	1934.....	308	32,055
1868.....	2	50	1901.....	133	44,370	1935.....	565	38,327
1869.....	4	237	1902.....	123	66,305	1936.....	739	93,744
1870.....	1	50	1903.....	130	61,083	1937.....	857	154,653
1871.....	8	474	1904.....	113	43,597	1938.....	732	123,289
1872.....	6	223	1905.....	186	188,539	1939.....	763	174,168
1873.....	4	189	1906.....	200	247,664	1940.....	872	362,014
1874.....	5	773	1907.....	206	257,464	1941.....	934	474,124
1875.....	5	312	1908.....	212	164,388	1942.....	1,549	3,373,137
1876.....	6	305	1909.....	198	106,939	1943.....	2,218	6,781,372
1877.....	6	899	1910.....	213	148,677	1944.....	2,200	5,441,669
1878.....	7	3,124	1911.....	279	86,953	1945.....	1,828	4,499,581
1879.....	8	1,356	1912.....	294	66,134	1946.....	1,511	597,115
1880.....	8	2,074	1913.....	311	106,061	1947.....	1,418	271,428
1881.....	25	2,679	1914.....	279	65,990	1948.....	1,277	230,373
1882.....	21	1,427	1915.....	293	36,117	1949.....	1,158	220,068
1883.....	22	1,236	1916.....	277	114,002	1950.....	1,034	228,538
1884.....	22	1,979	1917.....	425	154,714	1951.....	1,123	344,514
1885.....	18	1,134	1918.....	418	78,015	1952.....	1,148	454,023
1886.....	24	2,671	1919.....	370	90,496	1953.....	1,356	559,733
1887.....	20	1,253	1920.....	391	139,795	1954.....	1,103	604,275
1888.....	36	3,517	1921.....	212	124,977	1955.....	1,116	400,076
			1922.....	285	68,115			

Source: Treasury Department, Bureau of Customs; annual report, *Merchant Marine Statistics*.

No. 766.—U. S. MERCHANT MARINE—NUMBER AND GROSS TONNAGE OF VESSELS BUILT, AND REMOVED: 1940 TO 1955

[In thousands of gross tons. Documented vessels of 5 net tons or more. Vessels may be added to merchant marine by way of redocumentation. However, figures are available only for vessels documented. See also *Historical Statistics*, series K 105-123.]

YEAR	VESSELS BUILT AND DOCUMENTED				GROSS TONNAGE OF VESSELS REMOVED				
	Number	Gross tonnage			Total	Lost and abandoned	Sold to aliens	Sold to United States	All other
		Total <sup>1</sup>	Steam and motor	Unrigged					
1940.....	705	447	386	61	1,697	274	1,114	( <sup>2</sup> )	308
1941.....	703	647	586	61	1,064	127	333	245	358
1942.....	1,108	4,544	4,504	40	1,870	103	70	323	1,316
1943.....	1,901	10,432	10,340	92	1,727	199	102	216	1,210
1944.....	1,723	8,032	8,009	23	1,425	417	104	288	616
1945.....	1,744	6,314	6,239	55	901	138	75	198	490
1946.....	1,275	548	510	39	1,745	344	1,193	87	121
1947.....	1,259	267	186	81	5,914	257	4,930	383	345
1948.....	1,118	200	193	92	1,713	245	1,207	130	124
1949.....	978	195	85	110	1,380	449	330	404	196
1950.....	861	194	103	91	1,238	163	488	147	440
1951.....	992	309	165	144	454	123	75	30	226
1952.....	990	437	313	124	441	77	191	( <sup>3</sup> )	173
1953.....	1,190	634	477	157	547	90	107	7	342
1954.....	1,186	589	369	220	1,538	147	4,949	( <sup>3</sup> )	442
1955.....	1,116	409	117	283	866	63	418	( <sup>2</sup> )	384

<sup>1</sup> Includes small amount of tonnage for sailing vessels for certain years.    <sup>2</sup> Included in All other.

<sup>3</sup> Less than 500 gross tons.    <sup>4</sup> Beginning 1954, sold or transferred to aliens.

Source: Treasury Department, Bureau of Customs; annual report, *Merchant Marine Statistics*.

No. 767.—U. S. MERCHANT MARINE—NUMBER AND GROSS TONNAGE OF VESSELS  
ON JANUARY 1, 1956, BY TONNAGE GROUPING

TONNAGE GROUPING	ALL VESSELS		STEAM		MOTOR		SAILING		UNRIGGED	
	Number	Gross tons (1,000)	Number	Gross tons (1,000)	Number	Gross tons (1,000)	Number	Gross tons (1,000)	Number	Gross tons (1,000)
Total.....	39,499	29,610	3,788	24,210	28,242	2,041	213	34	7,256	3,326
5 to 49 tons.....	23,648	418	46	1	22,786	395	180	3	636	19
50 to 99 tons.....	3,279	228	99	8	2,804	192	11	1	365	27
100 to 499 tons.....	6,423	1,713	365	84	2,208	440	9	2	3,841	1,187
500 to 999 tons.....	2,177	1,477	77	54	171	113	6	5	1,923	1,806
1,000 to 2,499 tons.....	673	935	115	188	123	158	2	3	433	586
2,500 to 4,999 tons.....	204	1,101	124	487	109	403	5	20	56	191
5,000 to 9,999 tons.....	2,624	19,240	2,588	18,970	34	259	-----	-----	2	11
10,000 to 19,999 tons.....	373	4,285	366	4,204	7	81	-----	-----	-----	-----
20,000 tons and over.....	8	212	8	212	-----	-----	-----	-----	-----	-----

Source: Treasury Department, Bureau of Customs; annual report, *Merchant Marine Statistics*.

No. 768.—MERCHANT VESSELS LAUNCHED AND OWNED, FOR THE WORLD AND THE  
UNITED STATES: 1895 TO 1956

[Vessels of 100 gross tons and over. Beginning 1941, excludes sailing ships and nonpropelled craft]

YEAR	WORLD				UNITED STATES			
	Launched <sup>1</sup>		Owned		Launched <sup>1</sup>		Owned	
	Number	Gross tons (1,000)	Number	Gross tons (1,000)	Number	Gross tons (1,000)	Number	Gross tons (1,000)
1895.....	1,205	1,844	30,288	25,086	155	200	3,220	2,165
1900.....	1,611	2,354	27,840	28,957	242	347	3,135	2,750
1905.....	1,474	2,218	29,574	35,949	206	352	3,457	3,996
1910.....	1,426	2,588	29,943	41,884	140	222	3,380	5,018
1915.....	1,637	4,616	30,643	49,246	605	2,217	3,180	5,846
1920.....	942	2,582	31,484	57,281	99	315	5,381	15,997
1925.....	873	2,469	32,905	64,638	74	159	4,790	15,314
1930.....	484	1,020	32,713	69,608	25	83	4,105	13,947
1935.....	1,040	2,595	30,979	64,886	117	244	3,585	12,773
1939.....	(2)	(2)	31,186	69,440	(2)	(2)	3,270	11,874
1940.....	495	1,754	(3)	(3)	167	579	(3)	(3)
1941.....	510	2,491	(3)	(3)	187	1,035	(3)	(3)
1942.....	1,300	7,815	(3)	(3)	861	5,671	(3)	(3)
1943.....	2,078	13,885	(3)	(3)	1,625	11,580	(3)	(3)
1944.....	1,738	11,170	(3)	(3)	1,261	9,339	(3)	(3)
1945.....	1,326	7,193	(3)	(3)	880	5,968	(3)	(3)
1946.....	690	2,115	(3)	(3)	96	501	(3)	(3)
1947.....	787	2,103	(3)	(3)	70	165	(3)	(3)
1948.....	872	2,310	29,340	80,292	49	126	5,225	29,165
1949.....	926	3,132	30,248	82,571	66	633	5,026	27,814
1950.....	1,013	3,493	30,852	84,583	52	437	4,953	27,513
1951.....	1,022	3,643	31,226	87,245	64	166	4,909	27,331
1952.....	1,074	4,396	31,461	90,180	64	468	4,876	27,245
1953.....	1,143	5,096	31,797	93,352	68	528	4,800	27,237
1954.....	1,233	5,253	32,358	97,422	46	477	4,756	27,344
1955.....	1,447	5,317	32,492	100,569	26	73	4,537	26,423
1956.....	1,837	6,674	33,052	105,200	50	169	4,432	26,146

<sup>1</sup> Figures for 1895 to 1935 represent annual average of 5-year span beginning with the year shown; for example, the figure shown for 1895 is the annual average for 1895 to 1899, that for 1900, the annual average for 1900 to 1904, etc.

<sup>2</sup> See 1935 average.

<sup>3</sup> Not recorded.

Source: Lloyd's Register of Shipping, London; records.